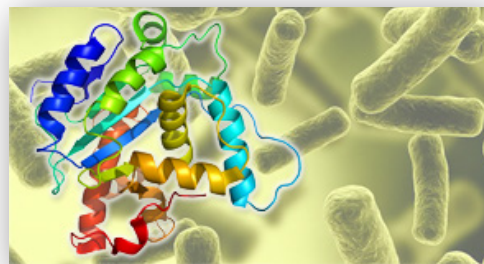


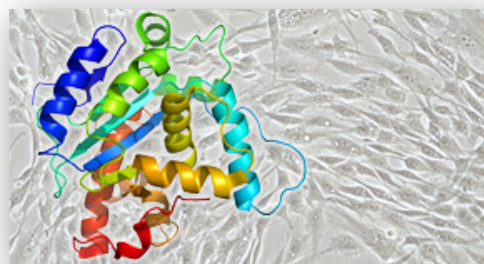
Recombinant Proteins

High-quality recombinant proteins of human, murine, and rat origin, produced in a variety of expression systems that include bacteria, yeast, baculovirus infected insect cells, and mammalian cells. Protein categories include Growth Factors, Cytokines, Chemokines, Neurotrophins, Proteases, and other miscellaneous proteins.



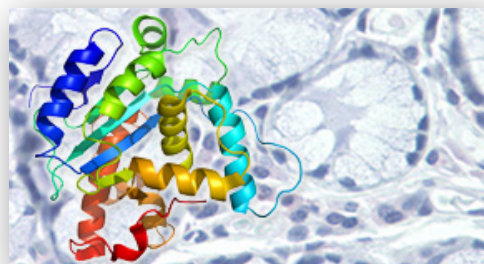
Over-Expression Lysates

Full- and partial-length proteins in the form of over-expression lysates. These proteins are generated in a variety of cell types, including mammalian HEK293/293T cells and *E. coli*, and are designed with a tag such as GST and HIS for easy detection and isolation. Over-expression lysates can be used as assay standards in Western Blot, ELISA, and other antibody assays.



Native Proteins

Unlike proteins generated using recombinant techniques, native proteins are produced *in vivo*, are unaltered, and retain their natural assembled state. These proteins are useful in a wide range of applications such as functional assays, ELISA, Western Blot, and Immunoprecipitation. All LSBio native proteins are supplied in a stable, non-pathogenic formulation.



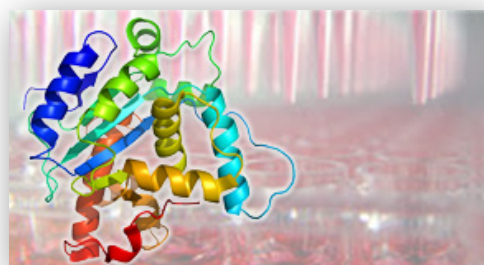
Animal-Free Proteins

Animal-free proteins offer an alternative to researchers concerned about the experimental variables caused by the use of reagents containing trace animal components and mammalian pathogens. All of our animal-free proteins are manufactured in dedicated facilities using only animal-free reagents and components. Animal-free proteins have comparable biological activity and purity to animal-derived proteins produced using standard techniques.



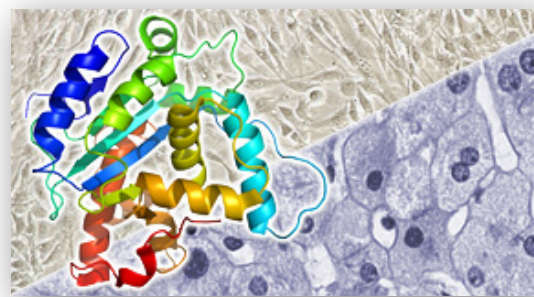
Bioactive Proteins

Each protein is uniquely tested based upon its particular function, such as measuring the ability of an enzyme to hydrolyze a substrate, using a cell proliferation assay to test a growth factor, or a cytotoxicity assay to test proteins that can cause cell death. These proteins are a cost-effective resource for use in a wide variety of *in vitro* research applications.



Cell and Tissue Lysates

LSBio offers whole protein lysates from cells and tissues commonly used in research in a ready-to-go Western Blot format. More than 30 cell lysates are available from A549, 293, 293T, U251, 3T3, and other cell types, as well as tissue extracts from various normal mouse organs like brain, liver, kidney, and more. Each sample is supplied in an SDS loading buffer containing 0.3% beta-mercaptoethanol making them ideal for use as Western Blot positive controls.



Sample Normal Tissue Lysates

Tissue Type	Species	Catalog Number
Bladder	Mouse, Rat, Human	LS-G11148, LS-G134197, LS-G134105
Brain	Mouse, Rat, Human	LS-G134161, LS-G134182, LS-G134099
Cerebellum	Mouse, Rat, Human	LS-G134169, LS-G134193, LS-G134136
Colon	Mouse, Rat, Human	LS-G134170, LS-G134191, LS-G134117
Eye	Mouse, Rat, Human	LS-G134241, LS-G134198, LS-G134157
Heart	Mouse, Rat, Human	LS-G134158, LS-G134179, LS-G134094
Kidney	Mouse, Rat, Human	LS-G134229, LS-G134184, LS-G134100
Liver	Mouse, Rat, Human	LS-G134159, LS-G134183, LS-G134098
Lung	Mouse, Rat, Human	LS-G134217, LS-G134181, LS-G134097
Pancreas	Mouse, Rat, Human	LS-G134175, LS-G134188, LS-G134104
Skeletal Muscle	Mouse, Rat, Human	LS-G134164, LS-G134187, LS-G134148
Skin	Mouse, Rat, Human	LS-G134176, LS-G134199, LS-G134147
Small Intestine	Mouse, Rat, Human	LS-G134165, LS-G134186, LS-G134101
Spleen	Mouse, Rat, Human	LS-G134163, LS-G134185, LS-G134103
Stomach	Mouse, Rat, Human	LS-G134233, LS-G134195, LS-G134113
Testis	Mouse, Rat, Human	LS-G11155, LS-G134194, LS-G134108
Thymus	Mouse, Rat, Human	LS-G134231, LS-G134190, LS-G134109

Sample Diseased Tissue Lysates

Tissue Type	Catalog	Tissue Type	Catalog
Breast Adenocarcinoma	LS-G133925	Lung Squamous Cell Carcinoma	LS-G133930
Clear Cell Carcinoma	LS-G133908	Melanoma	LS-G133955
CNS Cancer	LS-G133948	Melanoma	LS-G133924
Colon Adenocarcinoma	LS-G133921	Myeloma	LS-G133940
Colon Carcinoma	LS-G133913	Non-small Cell Lung Adenocarcinoma	LS-G133917
Colorectal Adenocarcinoma	LS-G133919	Ovarian Adenocarcinoma	LS-G133935
Colorectal Carcinoma	LS-G133914	Ovarian Carcinoma	LS-G133947
Epithelial Carcinoma	LS-G133900	Prostate Adenocarcinoma	LS-G133939
Glioblastoma	LS-G133949	Prostate Carcinoma	LS-G133911
Kidney Carcinoma	LS-G133902	Renal Cell Adenocarcinoma	LS-G133956
Lung Adenocarcinoma	LS-G133912	Renal Cell Carcinoma	LS-G133899

Sample Cell Lysates

Cell Line	Species	Catalog
A-20 Cells	Mouse	LS-G134093
A2058 Cells	Human	LS-G11130
A375 Cells	Human	LS-G11118
A431 Cells	Human	LS-G134066
A549 Cells	Human	LS-G11145
ATDC5 Cells	Mouse	LS-G11135
Balb/3T3 Cells	Mouse	LS-G134077
C2C12 Cells	Mouse	LS-G134095
C6 Cells	Rat	LS-G11127
CEM Cells	Human	LS-G11125
CHO	Hamster	LS-G11105
COS7 Cells	Monkey	LS-G133910
EL4 Cells	Mouse	LS-G134092
HEK 293 Cells	Human	LS-G134073
HeLa Cells	Human	LS-G134064
HepG2 Cells	Human	LS-G134078
HL60 Cells	Human	LS-G134072
HT-29 Cells	Human	LS-G134081
Jurkat Cells	Human	LS-G11113
K562 Cells	Human	LS-G134065
KG-1 Cells	Human	LS-G11139
L1210 Cells	Mouse	LS-G134090
L929 Cells	Mouse	LS-G11141
MCF-7 Cells	Human	LS-G134082
MDA-231 Cells	Human	LS-G11131
MDA-453 Cells	Human	LS-G11132
MOLT4 Cells	Human	LS-G134069
NCI-H292 Cells	Human	LS-G11128
NCI-H460 Cells	Human	LS-G11116
Neuro2A Cells	Mouse	LS-G11133
NIH/3T3 Cells	Mouse	LS-G134091