Zinc Finger MYND Domain-Containing Protein 15 (ZMYND15) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Zinc finger MYND domain-containing protein 15 (ZMYND15), Recombinant Protein
Full Product Name	Recombinant Human Zinc finger MYND domain-containing protein 15 (ZMYND15)
Product Gene Name	ZMYND15 recombinant protein
Product Synonym Gene Name	ZMYND15
Sequence	MEFVSGYRDE FLDFTALLFG WFRKFVAERG AVGTSLEGRC RQLEAQIRRL PQDPALWVLH VLPNHSVGIS LGQGAEPGPG PGLGTAWLLG DNPPLHLRDL SPYISFVSLE DGEEGEEEEE EDEEEEKRED GGAGSTEKVE PEEDRELAPT SRESPQETNP PGESEEAARE AGGGKDGCRE DRVENETRPQ KRKGQRSEAA PLHVSCLLLV TDEHGTILGI DLLVDGAQGT ASWGSGTKDL APWAYALLCH SMACPMGSGD PRKPRQLTVG DARLHRELES LVPRLGVKLA KTPMRTWGPR PGFTFASLRA RTCHVCHRHS FEAKLTPCPQ CSAVLYCGEA CLRADWQRCP DDVSHRFWCP RLAAFMERAG ELATLPFTYT AEVTSETFNK EAFLASRGLT RGYWTQLSML IPGPGFSRHP RGNTPSLSLL RGGDPYQLLQ GDGTALMPPV PPHPPRGVFG SWQDYYTWRG LSLDSPIAVL LTYPLTVYYV ITHLVPQSFP ELNIQNKQSL KIHVVEAGKE FDLVMVFWEL LVLLPHVALE LQFVGDGLPP ESDEQHFTLQ RDSLEVSVRP GSGISARPSS GTKEKGGRRD LQIKVSARPY HLFQGPKPDL VIGFNSGFAL KDTWLRSLPR LQSLRVPAFF TESSEYSCVM DGQTMAVATG GGTSPPQPNP FRSPFRLRAA DNCMSWYCNA FIFHLVYKPA QGSGARPAPG PPPPSPTPSA PPAPTRRRRG EKKPGRGARR RK
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	82,560 Da
Sequence Positions	1-742, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	614312
3D Structure	ModBase 3D Structure for Q9H091
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ZMYND15 recombinant protein	MBS1312514 is a recombinant protein targeting ZMYND15. Also known as Recombinant Human Zinc finger MYND domain-containing protein 15 (ZMYND15). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ZMYND15 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ZMYND15. It may not necessarily be applicable to this product.

NCBI GI #	209862893
NCBI GeneID	84225
NCBI Accession #	NP_001129518.1
UniProt Primary Accession #	Q9H091
UniProt Secondary Accession #	B4DXY5; I3L296
UniProt Related Accession #	Q9H091
GenBank Nucleotide #	NM_001136046.2
NCBI Official Full Name	zinc finger MYND domain-containing protein 15 isoform 1
NCBI Official Synonym Full Names	zinc finger MYND-type containing 15
NCBI Official Symbol	ZMYND15
NCBI Official Synonym Symbols	SPGF14
UniProt Protein Name	Zinc finger MYND domain-containing protein 15
Protein Family	Zinc finger MYND domain-containing protein
UniProt Gene Name	ZMYND15
NCBI Protein Information	zinc finger MYND domain-containing protein 15
NCBI Summary for ZMYND15	This gene encodes a MYND-containing zinc-binding protein with a nuclear localization sequence. A similar gene in mice has been shown to act as a testis-specific transcriptional repressor by recruiting histone deacetylase enzymes to regulate spatiotemporal expression of many haploid genes. This protein may play an important role in spermatogenesis. Alternative splicing results in multiple transcript variants and protein isoforms. [provided by RefSeq, Jun 2012]
UniProt Comments for ZMYND15	Acts as a transcriptional repressor through interaction with histone deacetylases (HDACs). May be important for spermiogenesis.
Research Articles on ZMYND15	**1.** Two candidate loci in each family and homozygous truncating mutations p.R611X in TAF4B in family 1 and p.K507Sfs*3 in ZMYND15 in family 2, were identified.
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