Transducin-Like Enhancer Protein 6 (TLE6) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Transducin-like enhancer protein 6 (TLE6), Recombinant Protein
Full Product Name	Recombinant Human Transducin-like enhancer protein 6 (TLE6)
Product Gene Name	TLE6 recombinant protein
Product Synonym Gene Name	TLE6
Sequence	MTSRDQPRPK GPPKSTSPCP GISNSESSPT LNYQGILNRL KQFPRFSPHF AAELESIYYS LHKIQQDVAE HHKQIGNVLQ IVESCSQLQG FQSEEVSPAE PASPGTPQQV KDKTLQESSF EDIMATRSSD WLRRPLGEDN QPETQLFWDK EPWFWHDTLT EQLWRIFAGV HDEKAKPRDR QQAPGLGQES KAPGSCDPGT DPCPEDASTP RPPEASSSPP EGSQDRNTSW GVVQEPPGRA SRFLQSISWD PEDFEDAWKR PDALPGQSKR LAVPCKLEKM RILAHGELVL ATAISSFTRH VFTCGRRGIK VWSLTGQVAE DRFPESHLPI QTPGAFLRTC LLSSNSRSLL TGGYNLASVS VWDLAAPSLH VKEQLPCAGL NCQALDANLD ANLAFASFTS GVVRIWDLRD QSVVRDLKGY PDGVKSIVVK GYNIWTGGPD ACLRCWDQRT IMKPLEYQFK SQIMSLSHSP QEDWVLLGMA NGQQWLQSTS GSQRHMVGQK DSVILSVKFS PFGQWWASVG MDDFLGVYSM PAGTKVFEVP EMSPVTCCDV SSNNRLVVTG SGEHASVYQI TY
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	49,827 Da
Sequence Positions	1-572, 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	612399
3D Structure	ModBase 3D Structure for Q9H808
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TLE6 recombinant protein	MBS1362684 is a recombinant protein targeting TLE6. Also known as Recombinant Human Transducin-like enhancer protein 6 (TLE6). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of TLE6 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 TLE6. It may not necessarily be applicable to this product.

NCBI GI #	221136834

NCBI GeneID	79816
NCBI Accession #	NP_001137458.1
UniProt Primary Accession #	Q9H808
UniProt Secondary Accession #	J3KMZ1
UniProt Related Accession #	Q9H808
GenBank Nucleotide #	NM_001143986.1
NCBI Official Full Name	transducin-like enhancer protein 6 isoform 1
NCBI Official Synonym Full Names	transducin like enhancer of split 6
NCBI Official Symbol	TLE6
NCBI Official Synonym Symbols	GRG6; PREMBL
UniProt Protein Name	Transducin-like enhancer protein 6
Protein Family	Transducin-like enhancer protein
UniProt Gene Name	TLE6
NCBI Protein Information	transducin-like enhancer protein 6
NCBI Summary for TLE6	This gene encodes a member of the Groucho/ transducin-like Enhancer of split family of transcriptional co-repressors. The encoded protein is a component of the mammalian subcortical maternal complex, which is required for preimplantation development. In mouse, knock out of this gene results in cleavage-stage embryonic arrest resulting from defective cytoplasmic F-actin meshwork formation and asymmetric cell division. In human, an allelic variant in this gene is associated with preimplantation embryonic lethality. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]
UniProt Comments for TLE6	As a member of the subcortical maternal complex (SCMC), plays an essential role for zygotes to progress beyond the first embryonic cell divisions.
Research Articles on TLE6	**1.** In this first report of a human defect in a member of the subcortical maternal subcritical maternal complex, we show that the TLE6 mutation is gender-specific and leads to the earliest known human embryonic lethality phenotype
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