Protein Hedgehog (hh) Drosophila Erecta Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein hedgehog (hh), Recombinant Protein
Full Product Name	Recombinant Drosophila erecta Protein hedgehog (hh)
Product Gene Name	hh recombinant protein
Sequence	CGPGRGLGRH RARNLYPLVL KQTIPNLSEY TNSASGPLEG VIRRDSPKFK DLVPNYNRDI LFRDEEGTGA DRLMSKRCRE KLNLLAYSVM NEWPGIRLLV TESWDEDYHH GQESLHYEGR AVTIATSDRD QSKYGMLARL AVEAGFDWVS YVSRRHIYCS VKSDSSISSH VHGCFTPEST ALLENGVRKP LGELSIGDRV LSMTANGQAV YSEVILFMDR NLEQMQNFVQ LHTDGEAVLT VTPAHLVSVW QAESQKLTFV FADRVEEKNQ VLVRDVETGE LRPQRVVKVG SVRSKGVVAP LTREGTIVVN SVAASCYAVI NSQSLAHWGL APMRLLSTLE AWLPAKEQLH SSPKVVTTAE QQNGIHWYAN ALYKVKDYVL PQSWRHD
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	51,569 Da
Sequence Positions	79-465, 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.
3D Structure	ModBase 3D Structure for B3P7F8
Species	Drosophila erecta (Fruit fly)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hh recombinant protein	MBS1222455 is a recombinant protein targeting hh. Also known as Recombinant Drosophila erecta Protein hedgehog (hh). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hh 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 hh. It may not necessarily be applicable to this product.

NCBI GI #	194910563
NCBI GeneID	6554619
NCBI Accession #	XP_001982177.1
UniProt Primary Accession #	B3P7F8
UniProt Related Accession #	B3P7F8

GenBank Nucleotide #	XM_001982141.2
NCBI Official Full Name	uncharacterized protein Dere_GG12458, isoform A
NCBI Official Symbol	DereGG12458
NCBI Official Synonym Symbols	dere_GLEANR_12477; GG12458
UniProt Protein Name	Protein hedgehog
UniProt Gene Name	hh
NCBI Protein Information	GG12458 gene product from transcript GG12458-RA
UniProt Comments for hh	Intercellular signal essential for a variety of patterning events during development. Establishes the anterior-posterior axis of the embryonic segments and patterns the larval imaginal disks. Binds to the patched (ptc) receptor, which functions in association with smoothened (smo), to activate the transcription of target genes wingless (wg), decapentaplegic (dpp) and ptc. In the absence of hh, ptc represses the constitutive signaling activity of smo through fused (fu) ().
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