

Product datasheet for TP527201

Shh (NM_009170) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse sonic hedgehog (Shh), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR227201 representing NM_009170 Red =Cloning site Green =Tags(s)

MLLLARCFLVILASSLLVCPGLACGPGRGFGKRRHPKLTPLAYKQFIPNVAEKT LGASGRYEGKITRN
SERFKELTPNYNPDIIKDEENTGADRLMTQRCKDKLNALAISVMNQWPGVKLRVTEGWDEDGHHSEESL
HYEGRAVDITTSRDRSKYGMLARLAVEAGFDWVYYESKAHIHCSVKAENSVAASKGGCFPGSATVHLEQ
GGTKLVKDLRPGDRVLAADDQGRLLYSDFLTFLDRDEGAKKVFIETLEPRERLLLTA AHLLFVAPHND
SGPTPGPSALFASRVRPGQRVYVAERGGDRLLPAAVHSVTLREEEAGAYAPLTAHG TILINRVLASCY
AVIEEHSWAHRAFAPFRLAHALLAALAPARTDGGGGGSIPAAQ SATEARGAEPTAGIHWYSQLLYHIGTW
LLDSETMHPLGMAVKSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	48.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_033196
Locus ID:	20423



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UniProt ID:	Q62226
RefSeq Size:	2727
Cytogenetics:	5 14.39 cM
RefSeq ORF:	1311
Synonyms:	9530036O11Rik; Dsh; Hhg1; Hx; Hxl3; M100081
Summary:	<p>Sonic hedgehog protein: The C-terminal part of the sonic hedgehog protein precursor displays an autoproteolysis and a cholesterol transferase activity (PubMed:8824192, PubMed:7891723). Both activities result in the cleavage of the full-length protein into two parts (ShhN and ShhC) followed by the covalent attachment of a cholesterol moiety to the C-terminal of the newly generated ShhN (PubMed:8824192). Both activities occur in the reticulum endoplasmic (PubMed:21357747). Once cleaved, ShhC is degraded in the endoplasmic reticulum (PubMed:21357747).[UniProtKB/Swiss-Prot Function]</p>