

Recombinant Full Length Human DISP1 Protein, GST-tagged

Cat. No. DISP1-3880HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DISP1 full-length ORF (AAH07734.1, 1 a.a. - 542 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	542 amino acids
Description	The pattern of cellular proliferation and differentiation that leads to normal development of embryonic structures often depends upon the localized production of secreted protein signals. Cells surrounding the source of a particular signal respond in a graded manner according to the effective concentration of the signal, and this response produces the pattern of cell types constituting the mature structure. A novel segment-polarity gene known as dispatched has been identified in Drosophila and its protein product is required for normal Hedgehog (Hh) signaling. This gene is one of two human homologs of Drosophila dispatched and, based on sequence identity to its mouse counterpart, the encoded protein may play an essential role in Hh patterning activities in the early embryo. [provided by RefSeq, Jul 2008]
Molecular Mass	87.2 kDa
AA Sequence	MAMSNNGNDFVVLNSSSIATSAANPSPLTPCDGDHAAQQLTPKEATRTRKVSPNGCL QLNGTVKSSFLPLDNQRMPQMLPQCCHPCPYHHPLTSHSSHQECHPEAGPAAPSA LASCCMQPHSEYSASLCPNHSPVYQTTCCCLQPSPSFCLHHPWPDHFQHQPVQQHI

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ANIRPSRPFKLPKSYAALIADWPVVVLGMCTMFIVVCALVGVLVPELPDFSDPLLGF
 PRGTAIGQRLVTWNNMVKNTGYKATLANYPFKYADEQAKSHRDDRWSDDHYEREK
 REVDWNFHKDSFFCDVPSDRYSRVVFTSSGGETLWNLPAIKSMCNVDNSRIRSH
 QFGDLCQRTTAASCCPSWTLGNYIAILNNRSSCQKIVERDVSHTLKLRTCAKHYQN
 GTLGPDCWDMAARRKDQLKCTNVPRKCTKYNAVYQILHYLVKDFMTPKTADYATP
 ALKYSMLFSPTEKGESMMNIYLDNFENWNSSDGVTTITGIEFGIKHSLFQDYLLMDTV
 YPAIAIVIVLLVMCVYTKSMFITLMTMFAISSLIVS

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

DISP1 dispatched RND transporter family member 1 [Homo sapiens (human)]

Official Symbol

DISP1

Synonyms

DISP1; dispatched RND transporter family member 1; DISPA; protein dispatched homolog 1; dispatched A

Gene ID

84976

mRNA Refseq

NM_001350630

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Protein Refseq	NP_001337559
MIM	607502
UniProt ID	Q96F81

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