

Recombinant Human JPT1 Protein, His-GST-tagged

Cat. No. JPT1-001H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human JPT1 Protein (1-181 aa (full-length)) with 6xHis-GST tags was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-181
Description	Modulates negatively AKT-mediated GSK3B signaling (PubMed:21323578, PubMed:22155408). Induces CTNNB1 'Ser-33' phosphorylation and degradation through the suppression of the inhibitory 'Ser-9' phosphorylation of GSK3B, which represses the function of the APC:CTNNB1:GSK3B complex and the interaction with CDH1/E-cadherin in adherent junctions (PubMed:25169422). Plays a role in the regulation of cell cycle and cell adhesion (PubMed:25169422, PubMed:25450365). Has an inhibitory role on AR-signaling pathway through the induction of receptor proteosomal degradation (PubMed:22155408).
Molecular Mass	48.8 kDa
Purity	>90% confirmed by 10% SDS-PAGE stained with Coomassie Blue (CB), immunoblotting with anti-6xHis (WB).
Applications	ELISA, Western Blot, Antibody Production, Protein array

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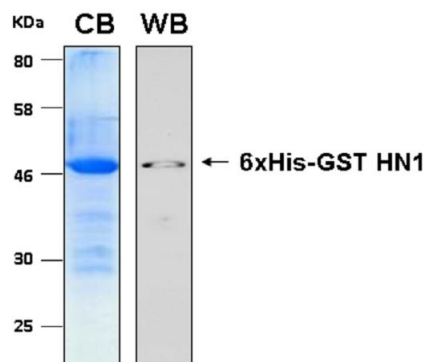
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Quality Control Test	10% SDS-PAGE stained with Coomassie Blue (CB), immunoblotting with anti-GST monoclonal and peptide fingerprinting by MALDI-TOF mass spectrometry.
Storage	Store working aliquots at 4 centigrade for up to one week. For extended storage, conserve at -80 centigrade.
Expiry	12 months from the date of purchase, if it is properly stored.
Storage Buffer	Phosphate-Buffered Saline (PBS), pH 7.4. No preservatives added.
Shipping	Dry Ice
GENE INFORMATION	
Gene Name	JPT1 Jupiter microtubule associated homolog 1 [Homo sapiens (human)]
Official Symbol	JPT1
Synonyms	JPT1; Jupiter microtubule associated homolog 1; HN1; ARM2; HN1A; jupiter microtubule associated homolog 1; androgen-regulated protein 2; hematological and neurological expressed 1 protein
Gene ID	51155
mRNA Refseq	NM_001002032
Protein Refseq	NP_001002032
UniProt ID	Q9UK76

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