

## Product datasheet for **TP321865**

### JPT1 (NM\_016185) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human hematological and neurological expressed 1 (HN1), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221865 representing NM_016185 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MTTTTTFKGVDPNSRNSSRVL RPPGGGSNFS LGFDEPTEQPVRKNKMASNIFGTPEENQASWAKSAGAKS  
SGGREDLESSGLQRRNSSEASSGDFLDLKGEGDIHENVDTLPGSLGQSEEKPVPAAPVPSVAPAPVPS  
RRNPPGGKSSLVLG

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

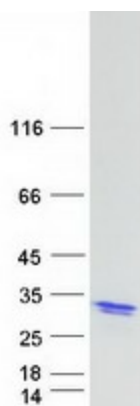
Tag:	C-Myc/DDK
Predicted MW:	15.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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:	<a href="#">NP_057269</a>
Locus ID:	51155
UniProt ID:	<a href="#">Q9UK76</a>



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RefSeq Size:	1602
Cytogenetics:	17q25.1
RefSeq ORF:	462
Synonyms:	ARM2; HN1; HN1A
Summary:	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). [UniProtKB/Swiss-Prot Function]

### Product images:



Coomassie blue staining of purified JPT1 protein (Cat# TP321865). The protein was produced from HEK293T cells transfected with JPT1 cDNA clone (Cat# [RC221865]) using MegaTran 2.0 (Cat# [TT210002]).