

Product datasheet for PH321865

JPT1 (NM_016185) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HN1 MS Standard C13 and N15-labeled recombinant protein (NP_057269)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221865
Predicted MW:	15.8 kDa
Protein Sequence:	>RC221865 representing NM_016185 Red=Cloning site Green=Tags(s) MTTTTTFKGVDPNSRNSRVLRPPGGGSNFSLGDFEPTQPVRKNKMASNIFGTPEENQASWAKSAGAKS SGGREDLESSGLQRRNSSEASSGDFDLKGEEDIHENVDTDLPGSLGQSEKPVPAAPVPSVPVAPVPS RRNPPGGKSSLVLG TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_057269
RefSeq Size:	1602
RefSeq ORF:	462
Synonyms:	ARM2; HN1; HN1A
Locus ID:	51155
UniProt ID:	Q9UK76

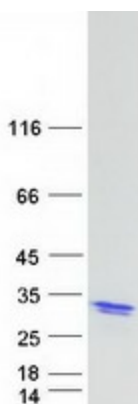


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Cytogenetics: 17q25.1

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]).