

Product datasheet for PH310708

RHBDD1 (NM_032276) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RHBDD1 MS Standard C13 and N15-labeled recombinant protein (NP_115652)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210708
Predicted MW:	35.8 kDa
Protein Sequence:	>RC210708 protein sequence Red=Cloning site Green=Tags(s) MQRRSRGINTGLILLLSQIFHVGINNIPPVTLATLALNIWFFLNPQKPLYSSCLSVEKCYQQKDWQRLLL SPLHHADDWHL YFNMASMLWKGINLERRLGRWFAYVITAFSVLTGVVYLLLQFAVAEFMDEPDFKRSCA VGFSGVLFALKVLNNHYCPGGFVNILGFPVFNRFACWVELVAIHLFSPGTSFAGHLAIGILVGLMYTQGPL KKIMEACAGGFSSSVGYPRQYYFNSSGSGYQDYYPHGRPDHYEEAPRNYDITYAGLSEEEQLERALQA SLWDRGNTRNSPPPYGFHLSPEEMRRQLRHRFDSQ TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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_115652
RefSeq Size:	4868
RefSeq ORF:	945
Synonyms:	RHBDL4; RRP4
Locus ID:	84236



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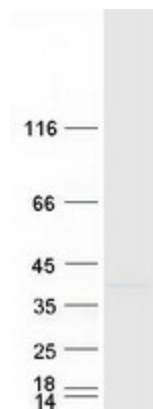
UniProt ID: [Q8TEB9](#)

Cytogenetics: 2q36.3

Summary: Intramembrane-cleaving serine protease that cleaves single transmembrane or multi-pass membrane proteins in the hydrophobic plane of the membrane, luminal loops and juxtamembrane regions. Involved in regulated intramembrane proteolysis and the subsequent release of functional polypeptides from their membrane anchors. Functional component of endoplasmic reticulum-associated degradation (ERAD) for misfolded membrane proteins. Required for the degradation process of some specific misfolded endoplasmic reticulum (ER) luminal proteins. Participates in the transfer of misfolded proteins from the ER to the cytosol, where they are destroyed by the proteasome in a ubiquitin-dependent manner. Functions in BIK, MPZ, PKD1, PTCRA, RHO, STEAP3 and TRAC processing. Involved in the regulation of exosomal secretion; inhibits the TSAP6-mediated secretion pathway. Involved in the regulation of apoptosis; modulates BIK-mediated apoptotic activity. Also plays a role in the regulation of spermatogenesis; inhibits apoptotic activity in spermatogonia.[UniProtKB/Swiss-Prot Function]

Protein Families: Transmembrane

Product images:



Coomassie blue staining of purified RHBDD1 protein (Cat# [TP310708]). The protein was produced from HEK293T cells transfected with RHBDD1 cDNA clone (Cat# [RC210708]) using MegaTran 2.0 (Cat# [TT210002]).