

PRODUCT INFORMATION

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| Target | RHBDD1 |
| Synonyms | RHBDL4; RRP4 |
| Description | Recombinant protein of human rhomboid domain containing 1 (RHBDD1) |
| Delivery | 2-3 weeks |
| Uniprot ID | Q8TEB9 |
| Expression Host | HEK293T |
| Tag | C-Myc/DDK |
| Molecular Characterization | N/A |
| Molecular Weight | 35.6 kDa |
| Purity | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Formulation & Reconstitution | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol |
| Storage & Shipping | Store at -80°C. |
| Background | 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] |
| Usage | Research use only |
| Conjugate | Unconjugated |

