

Product datasheet for **TP504278**

Tspan12 (NM_173007) Mouse Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse tetraspanin 12 (Tspan12), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR204278 protein sequence Red =Cloning site Green =Tags(s) MAREDSVKCLRCLLYALNLLFWLMSISVLAVSAWMRDYLNNVLTTLTAETRVEEAVILTYFPVWHPVMI AVCCFLIIVGMLGYCGTVKRNLLLLLAWYFGTLLVIFCVELACGVWTYEQEVMVPVQWSDMVT LKARMTNYGLPRYRWLTHAWNYFQREFKCCGVVYFTDWLEMTEMDWPPDSCCVREFPGCSKQAHQEDLSDLYQEGCGKKM YSFLRGTKQLQVLRFLGISIGVTQILAMILTITLLWALYDRREPGTDQMLSLKNDTSQHLSCHSV VELLKPSLSRIFEHTSMANSFNTHFEMEEL TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Tag: | C-MYC/DDK |
| Predicted MW: | 35.4 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 |
| 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 after receiving vials. |
| 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: | NP_766595 |
| Locus ID: | 269831 |
| UniProt ID: | Q8BKT6 |



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RefSeq Size: 2490

Cytogenetics: 6 A3.1

RefSeq ORF: 918

Synonyms: 9030619E17; AI426782; AI663988; AW111457; Tm4sf12

Summary: Regulator of cell surface receptor signal transduction. Acts as a regulator of membrane proteinases such as ADAM10 and MMP14/MT1-MMP. Activates ADAM10-dependent cleavage activity of amyloid precursor protein (APP). Activates MMP14/MT1-MMP-dependent cleavage activity (By similarity). Plays a central role in retinal vascularization by regulating norrin (NDP) signal transduction. Acts in concert with norrin (NDP) to promote FZD4 multimerization and subsequent activation of FZD4, leading to promote accumulation of beta-catenin (CTNNB1) and stimulate LEF/TCF-mediated transcriptional programs. Surprisingly, it only activate the norrin (NDP)-dependent activation of FZD4, while it does not activate the Wnt-dependent activation of FZD4, suggesting the existence of a Wnt-independent signaling that also promote accumulation the beta-catenin (CTNNB1).[UniProtKB/Swiss-Prot Function]