

Product datasheet for TP506965

Vps4a (NM_126165) Mouse Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse vacuolar protein sorting 4A (Vps4a), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA | >MR206965 representing NM_126165 |
| Clone or AA Sequence: | Red=Cloning site Green=Tags(s) |

MTTSTLQKAIDLVTKATEEDKAKNYEEALRLYQHAVEYFLHAIKYEAHSDKAKESIRAKCMQYLDRAEKL
KDYLRNKEKHGKKPVKENQSEGKGSDDSEGDNPEKKKLQEQLMGAVVMEKPNIRWNDVAGLEGAKEALK
EAVILPIKFPHLFTGK RTPWRGILLFGPPGTGKSYLAKAVATEANNSTFFSVSSDLMSKWLGESEKLVK
NLFELARQHKPSIIFIDEVDSLCSGRNENESEAARRIKTEFLVQM QGVGNNDGTLVLGATNIPWVLDSA
IRRRFEKRIYIPLPEEAARQMFRHLHLGSTEPHNLTANIHELARKTEGYSGADISIIVRDSLMPVRKVQ
SATHFKKVCGPSRTNPSVMIDLLTPCSPGDPGAIEMTWMDVPGDKLLEPVVCMSDLMLRSLATTRPTVNA
DDLKVKKFSDFGQES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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|----------------|--|
| Tag: | C-MYC/DDK |
| Predicted MW: | 48.9 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_569053 |
| Locus ID: | 116733 |



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UniProt ID: [Q8VEI9](#)

RefSeq Size: 2089

Cytogenetics: 8 D3

RefSeq ORF: 1311

Synonyms: 4930589C15Rik; AI325971; AW553189

Summary: Involved in late steps of the endosomal multivesicular bodies (MVB) pathway. Recognizes membrane-associated ESCRT-III assemblies and catalyzes their disassembly, possibly in combination with membrane fission. Redistributes the ESCRT-III components to the cytoplasm for further rounds of MVB sorting. MVBs contain intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome and mostly are delivered to lysosomes enabling degradation of membrane proteins, such as stimulated growth factor receptors, lysosomal enzymes and lipids. In conjunction with the ESCRT machinery also appears to function in topologically equivalent membrane fission events, such as the terminal stages of cytokinesis. Involved in cytokinesis: retained at the midbody by ZFYVE19/ANCHR and CHMP4C until abscission checkpoint signaling is terminated at late cytokinesis. It is then released following dephosphorylation of CHMP4C, leading to abscission. VPS4A/B are required for the exosomal release of SDCBP, CD63 and syndecan (By similarity).[UniProtKB/Swiss-Prot Function]