

## Product datasheet for TP521109

### Hps5 (NM\_001005247) Mouse Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Purified recombinant protein of Mouse HPS5, biogenesis of lysosomal organelles complex 2 subunit 2 (Hps5), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species:                              | Mouse  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >MR221109 representing NM_001005247<br>Red=Cloning site Green=Tags(s)  |

MTFVPVIPEAYSHVLAEFESLDPLLTALRLDSSRLRCTSIASVRKWLALGSTGGGLNLIQKDGWKQRLFL  
SHREGAISQIACSHDDDDYVAVATSQGLVWVWELNQERRGKPERIHVSSEHKGRKVTALCWDTAVLRVFL  
GDHVGKVSIAKLNLTQAKAAAAFVMFPVQTVLTVDSQVQLDYLDGRLLVSSLTRSFLCDTEREKFWKI  
GNKERHGEYGACFFPGRGAGGQQPVIYCARPGSRMWEVNFEDGEVLSTHQFKLLSMPPLPVITARSEPQY  
DHTVGSSQSLAFPKLLHLSEHCVLTWTEKGIYIFIPQNVQVLLWSEVKDIQDVAVYKNELFCLHFNGKIS  
HLSLLSVERCVERLLRRGLWDLAARTCCFLQNSIITSRARKTLTADKLEHLKSQDLTACSELISQLDDL  
ILRFEPLSACSSRRSSISSHESFSLDSGIYRISSRRGSQSDSDSCSLHSQTFSEDERLKEFASHQEE  
EQPEQGCANRNEESASHSPVMSEVDKSEAFPLPFSIALPFRSPSPLVSLQAVKDSVSVFVRKTEKIGTL  
HGSPCLKPFESKDADRAHEEEVSAVTCPLEEDTEEKEIHQPPKEDRLQELTAATAEAMTKLLDPLVLF  
PKVLRMVLLEWLSQLEKTFAMKDFPGISNTSSPTVKSNLGAHLLGETEKRVLDEESGEGRRVSLVTEEAG  
GQITCDPVSNLSEPSADRFVCSPIAITNSLQRDLAELTTLCELENLVTSAMESVGGHVDRASQQLSPEI  
LACRFLKKYFFLLDLKRAKESIKLTYDSPCVWDTFVEGLKEMARSNPAYTELEEGDLPTGLQLLDGSVPS  
DSPLLI AFATRLYDRFGESALRACIKFYPSISPSDIAQLCRHHPAQFLAYLDSL VKSRPEDQWPSFLEFL  
LQPESLRLEWLLLAVSHDAPPSTSTVDDEGHPRPHSHLLSWGYSQ LILLIKLPADFTTKEKMTDICRSY  
GFWPGYLTLCLELERRREAFTNIVYLNDISLMEGDNGWIPETLEEWKLLLHLLQTKSTRPAPQESLNGSL  
SDGPAPINVENVALLLAKAMGPDRAWSLQECGLALELSEKFRTRTCDILRIAERRQRALIQGMLEKCDRF  
LWSQQA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                |   |
|----------------|---|
| Tag:           | C-MYC/DDK   |
| Predicted MW:  | 126.3 kDa   |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method          |
| Purity:        | > 80% as determined by SDS-PAGE and Coomassie blue staining |



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|                      |   |
|----------------------|---|
| <b>Buffer:</b>       | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  |
| <b>Note:</b>         | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.  |
| <b>Storage:</b>      | Store at -80°C after receiving vials.   |
| <b>Stability:</b>    | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.   |
| <b>RefSeq:</b>       | <a href="#">NP_001005247</a>  |
| <b>Locus ID:</b>     | 246694  |
| <b>UniProt ID:</b>   | <a href="#">P59438</a> , <a href="#">Q640Q9</a>   |
| <b>RefSeq Size:</b>  | 4828  |
| <b>Cytogenetics:</b> | 7 30.56 cM  |
| <b>RefSeq ORF:</b>   | 3378  |
| <b>Synonyms:</b>     | Al646796; AL022647; C85120; haze; hz; maroon; mr; ru-2; ru2   |
| <b>Summary:</b>      | May regulate the synthesis and function of lysosomes and of highly specialized organelles, such as melanosomes and platelet dense granules. Regulates intracellular vesicular trafficking in fibroblasts. May be involved in the regulation of general functions of integrins.<br>[UniProtKB/Swiss-Prot Function] |