

## Product datasheet for TP509928

### Hps4 (NM\_138646) Mouse Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse HPS4, biogenesis of lysosomal organelles complex 3 subunit 2 (Hps4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
<b>Species:</b>	Mouse
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>MR209928 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MATTTTPPETKSAAWWNFFLYDGSVKVKGEGDPTRAGICYFYPPQTLDDQQLCGQLAGVWRCLWDLST  
PPMLIRMRNLKFAIRADGDYLWALGCGVEISDASCRQFLDQLIGFFHFYMGPVSLAYKSHPEELSLQWD  
TSITQVLRSTSESHRIFNALWNLDRTKVEPLLLLKAALILQTCQRSPHVLGACILYKGLIVNSQLLPSLT  
AKVLLHQTVPADQRLPGAGAAPQETGAALPPDVQITSVFLSEEEAASLHEFPVEHETRLQGSSVQYPPWD  
QSSPTQAEDAWASAAIPEPTPHDGACPSGSGADERLPRLEQECAGPTGLCTTACGQGSGLSSRLQKELCL  
SREELDSSEMHVSEAQEAFFPLPALGDLETLHSSHSAPTLPEDTAICSLHPCPLERLPESGRLGQLADL  
PLTNGQTQVPGTDPLPSSMPVALPPQHPVGVPEPSVEPYNGAQESHASALPRSSRSPDSPGPSADRTGF  
KPSPSGRHAGLVP MNLYTHSVNGLVLSLLAEETLLSDTAAIEEVYHSSLASLNGLEVHLKETLPRDEASL  
TSSTYNFLHYDRIQSVLSANLPLVTAPQDRRFLQAVNLMHSDFALLPMLYEMTIRNASTAVYACSSPAQE  
TYFQQLAPTARSSGFNPQDCAFSLAGKAKQKLLKHGVNLL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

<b>Tag:</b>	C-MYC/DDK
<b>Predicted MW:</b>	72.6 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<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.



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RefSeq:	<a href="#">NP_619587</a>
Locus ID:	192232
UniProt ID:	<a href="#">Q99KG7</a> , <a href="#">Q541V2</a>
RefSeq Size:	2852
Cytogenetics:	5 54.69 cM
RefSeq ORF:	2016
Synonyms:	2010205O06Rik; AU040608; BLOC-3; C130020P05Rik; le; mKIAA1667
Summary:	Component of the BLOC-3 complex, a complex that acts as a guanine exchange factor (GEF) for RAB32 and RAB38, promotes the exchange of GDP to GTP, converting them from an inactive GDP-bound form into an active GTP-bound form. The BLOC-3 complex plays an important role in the control of melanin production and melanosome biogenesis and promotes the membrane localization of RAB32 and RAB38.[UniProtKB/Swiss-Prot Function]