

Product datasheet for TP509806

Vps53 (BC034371) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse vacuolar protein sorting 53 (yeast) (cDNA clone MGC:19253 IMAGE:3964008), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209806 protein sequence Red=Cloning site Green=Tags(s)

MMEEEELEFVEELEAVLQLTPEVQLAIEQVFPDPLDQADFNAVEYINTLFPTEQSLANIDDVVNKIRL
KIRRLDDNIRTVVRGQTNVGDGRQALEEAQKAIQQLFGKIKDIKDKAEKSEQMVKEITRDIKQLDHAQR
HLTTSITLNLHMLAGGVDLSLEAMTRRRQYGEVANLLQGMNVLEHFHKYMGIPQIRQLSERVKAQTE
LGQQILADFEAFPSQGTKPKKPKAPDNPFGIVSKCFEPHLYVYIESQDKNLSELIDRFVADFKAQGPP
KPNTDEGGAVLPSCADLFVYKCMVQCSQLSTGEPMIALTTFQKYLREYAWKILSGNLPKTSSSSGGL
TISSLLKEKEGSEVARFTLEELCLICSILSTAHEYCLATTQLEEKLEKVDVSLTERINLTGEMDTFSTV
ISSIQLLVQDLDAACDPALIAMSKMPWQNVHVGDQSPYVTSVILHIKQNVPIIRDNLASTRKYFTQFC
IKFANSFIPKFITHLFKCKPISMVGAEQLLLDTHSLKMLLDLPSIGSQVVRKAPASYTKIIVKGMTRAE
MILKVVMAPHEPLVVFVDNYIKLLTDCNSETFQKILDMKGLKRSEQSSMLELLRQLRPAPPSGTEGSSTL
SLIAPTPEQESSRIRKLEKLIKRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	73.7 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.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Locus ID:	68299
UniProt ID:	Q8CCB4
RefSeq Size:	2225
Cytogenetics:	11 B5
RefSeq ORF:	1965
Synonyms:	RP23-147P4.2
Summary:	Acts as component of the GARP complex that is involved in retrograde transport from early and late endosomes to the trans-Golgi network (TGN). The GARP complex is required for the maintenance of the cycling of mannose 6-phosphate receptors between the TGN and endosomes, this cycling is necessary for proper lysosomal sorting of acid hydrolases such as CTSD. Acts as component of the EARP complex that is involved in endocytic recycling. The EARP complex associates with Rab4-positive endosomes and promotes recycling of internalized transferrin receptor (TFRC) to the plasma membrane.[UniProtKB/Swiss-Prot Function]