

Product datasheet for TP501959

Hikeshi (NM_026304) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse heat shock protein nuclear import factor (Hikeshi), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR201959 protein sequence Red =Cloning site Green =Tags(s)
	 MFGCLVAGRLVQTAAQQAEDKVFVFDLPDYENINHWVFM LGTIPFPEGMGGSVYFSYPDSNGVPVWQLL GFVTNGKPSAIFKISGLKSGEGSQHPFGAMNIVRTPSVAQIGISVELLDLSLAQQTTPVGSAAVSSVDSFTQ FTQKMLDNFYNFASSFALSQAQMTPNPSEM FIPANVVLKWYENFQRRLAQNPLFWKT TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	21.6 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:	<u>NP_080580</u>
Locus ID:	67669
UniProt ID:	<u>Q9DD02</u>
RefSeq Size:	1085
Cytogenetics:	7 50.4 cM



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RefSeq ORF: 594

Synonyms: 0610007P06Rik; 1110002N09Rik; I(7)6Rn; I7Rn6

Summary: Acts as a specific nuclear import carrier for HSP70 proteins following heat-shock stress: acts by mediating the nucleoporin-dependent translocation of ATP-bound HSP70 proteins into the nucleus. HSP70 proteins import is required to protect cells from heat shock damages. Does not translocate ADP-bound HSP70 proteins into the nucleus (By similarity). May also be indirectly required for organization and/or function of the secretory apparatus in Clara cells in lung.[UniProtKB/Swiss-Prot Function]