

## Product datasheet for TP510580

### Hgs (NM\_001159328) Mouse Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse HGF-regulated tyrosine kinase substrate (Hgs), 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>	>MR210580 representing NM_001159328 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MGRGSGTFERLLDKATSQLLLETDWESILQICDLIRQGDTQAKYAVNSIKKKVNDKNPHVALYALEVMES VWKNCGQTVHDEVANKQTMEELKELLKRQVEVNVNRNKILYLIQAWAHAFRNEPKYKVVQDTYQIMKVEGH VFPEFKESDAMFAAERAPDWVDAEECHRQVQFGWTRKHHCRACGQIFCGKCSSKYSTIPKFGIEKEVR VCEPCYEQLNKAEGKASSTTELPEYLTSPLSQSQQLPPKRDETALQEEELQLALALSQSEAEKERM RQKTTYTAHPKAEPTPLASSAPPAGSLYSSPVNSSAPLAEDIDPELARYLNRNYWEKKQEEARKSPTPSA PVPLTEPAAQPGEGHTAPNSMAEAPLPETDSQPITPCSGPFSEYQNGESEESHEQFLKALQNAVSTFVN RMKSNHMRGRSITNDSAVLSLFQSINTMHPQLLELLNQLDERRLYEGLQDKLAQIRDARGALSALREEH REKLRRAAEEAERQRQIQLAQKLEIMRQKKQEYLEVQRQLAIQRLQEKEKERQMRLEQQKQTVQMRAQMP AFPLPYAQLQAMPTAGGVLYQPSGPTSPATFSPAGSVEGSPMHGVYMSQPAPATGPYPSPMPGTTADPSM VSAYMYPTGAPGAQAAPQAQAGPTTSPAYSSYQPTPTPGYQSVASQAPQSLPAISQPPQTSNIGYMGSQP MSMGYQPYNMQNLMTALPGQDASLPAQQPYIPGQQPLYQQMAPSTGPPQQQPPVAQPAPTQGPQAQSEA QLISFD  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-MYC/DDK
<b>Predicted MW:</b>	86.6 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.



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<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_001152800</a>
<b>Locus ID:</b>	15239
<b>UniProt ID:</b>	<a href="#">Q99LI8</a> , <a href="#">Q3UMA3</a>
<b>RefSeq Size:</b>	2908
<b>Cytogenetics:</b>	11 84.16 cM
<b>RefSeq ORF:</b>	2328
<b>Synonyms:</b>	Hgr; Hrs; tn; ZFYVE8
<b>Summary:</b>	Involved in intracellular signal transduction mediated by cytokines and growth factors. When associated with STAM, it suppresses DNA signaling upon stimulation by IL-2 and GM-CSF. Could be a direct effector of PI3-kinase in vesicular pathway via early endosomes and may regulate trafficking to early and late endosomes by recruiting clathrin. May concentrate ubiquitinated receptors within clathrin-coated regions. Involved in down-regulation of receptor tyrosine kinase via multivesicular body (MVBs) when complexed with STAM (ESCRT-0 complex). The ESCRT-0 complex binds ubiquitin and acts as sorting machinery that recognizes ubiquitinated receptors and transfers them to further sequential lysosomal sorting/trafficking processes. May contribute to the efficient recruitment of SMADs to the activin receptor complex. Involved in receptor recycling via its association with the CART complex, a multiprotein complex required for efficient transferrin receptor recycling but not for EGFR degradation.[UniProtKB/Swiss-Prot Function]