

Recombinant Full Length Human HGS Protein, GST-tagged

Cat. No. HGS-3537HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HGS full-length ORF (NP_004703.1, 1 a.a. - 777 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	777 amino acids
Description	The protein encoded by this gene regulates endosomal sorting and plays a critical role in the recycling and degradation of membrane receptors. The encoded protein sorts monoubiquitinated membrane proteins into the multivesicular body, targeting these proteins for lysosome-dependent degradation. [provided by RefSeq, Dec 2010]
Molecular Mass	112.6 kDa
AA Sequence	MGRGSGTFERLLDKATSQLLLETDWESILQICDLIRQGDTQAKYAVNSIKKKVNDKN PHVALYALEVMESVVKNCGQTVHDEVANKQTMEELKDLLKRQVEVNVRNKILYLIQA WAHAFRNEPKYKVVQDTYQIMKVEGHVFPEFKESDAMFAAERAPDWVDAEECHRC RVQFGVMTRKHHCRACGQIFCGKCSSKYSTIPKFGIEKEVRVCEPCYEQLNRKAEG KATSTTELPPEYLTSPLSQSQSQLPPKRDETALQEEEEELQLALALSQSEAEKERLRQ KSTYTSYPKAEPMPSSASSAPPASSLYSSPVNSSAPLAEDIDPELARYLNRNYWEKKQ EEARKSPTPSAPVPLTEPAAQPGEGHAAPTNNVENPLPETDSQPIPPSGGPFSEPQ FHNGESEESHEQFLKALQNAVTTFVNRMKSNHMRGRSITNDSAVLSLFQSINGMHP QLLELLNQLDERRLYYEGLDKLAQIRDARGALSALREEHREKLRRAAEEAERQRQI

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QLAQKLEIMRQKKQEYLEVQRQLAIQRLQEKEKERQMRLEQQKQTVQMRAQMPAF
 PLPYAQLQAMPAAGGVLYQPSGPASFPSTFSPAGSVEGSPMHGVYMSQPAPAAGP
 YPSMPSTAADPSMVSAIYMPAGATGAQAAPQAQAGPTASPAYSSYQPTPTAGYQN
 VASQAPQSLPAISQPPQSSTMGYMGSSQSVSMGYQPYNMQNLMTTLPSQDASLPPQ
 QPYIAGQQPMYQQMAPSGGPPQQQPPVAQQPQAQGPPAQGSEAQLISFD

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [HGS hepatocyte growth factor-regulated tyrosine kinase substrate \[Homo sapiens \]](#)

Official Symbol [HGS](#)

Synonyms HGS; hepatocyte growth factor-regulated tyrosine kinase substrate; Hrs; Vps27; ZFYVE8; protein pp110; human growth factor-regulated tyrosine kinase substrate; HRS; FLJ11421; FLJ39878;

Gene ID [9146](#)

mRNA Refseq [NM_004712](#)

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Protein Refseq	NP_004703
MIM	604375
UniProt ID	O14964

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