

Recombinant Human HGS Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HGS-4051H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HGS MS Standard C13 and N15-labeled recombinant protein (NP_004703) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	86.2 kDa
AA Sequence	MGRGSGTFERLLDKATSQLLLETDWESILQICDLIRQGDTQAKYAVNSIKKKVNDKN PHVALYALEVMESVVKNCGQTVHDEVANKQTMEELKDLLKRQVEVNVRNKILYLIQA WAHAFRNEPKYKVVQDTYQIMKVEGHVFPEFKESDAMFAAERAPDWVDAEECHRC RVQFGVMTRKHHCRACGQIFCGKCSSKYSTIPKFGIEKEVRVCEPCYEQLNRKAEG KATSTTELPPEYLTSPLSQQSQLPPKRDETALQEEEEELQLALALSQSEAEKERLRQ KSTYTSYPKAEPMPASSAPPASSLYSSPVNSSAPLAEDIDPELARYLNRNYWEKKQ EEARKSPTPSAPVPLTEPAAQPGEHGAAPTNNVENPLPETDSQPIPPSGGPFSEPQ FHNGESEESHEQFLKALQNAVTTFVNRMKSNHMRGRSITNDSAVLSLFQSINGMHP QLLELLNQLDERRLYYEGLDKLAQIRDARGALSALREEHREKLRRAAEEAERQRQI

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QLAQKLEIMRQKKQEYLEVQRQLAIQRLQEKEKERQMRLEQQKQTVQMRAQMPAF
 PLPYAQLQAMPAAGGVLYQPSGPASFPSTFSPAGSVEGSPMHGVYMSQPAPAAGP
 YPSMPSTAADPSMVSAAYMYPAGATGAQAAPQAQAGPTASPAYSSYQPTPTAGYQN
 VASQAPQSLPAISQPPQSSTMGYMGSQSVSMGYQPYNMQNLMTTLPSQDASLPPQ
 QPYIAGQQPMYQQMAPSGGPPQQQPPVAQQPQAQGPPAQGSEAQLISFDTRTRP
 LEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

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mRNA Refseq NM_004712

Protein Refseq NP_004703

MIM 604375

UniProt ID O14964

SDS-PAGE



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