

# Recombinant Full Length Human HGS Protein, C-Flag-tagged

**Cat. No.** HGS-1993HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human HGS Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | 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.                                                                                                                                                                                                                                                          |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | 86 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MGRGSGTFERLLDKATSQLLLETDWESILQICDLIRQGDTQAKYAVNSIKKKVNDKN<br>PHVALYALEVMES VVKNCGQTVHDEVANKQTMEEKDLLKRQVEVNVNRNKILYLIQ<br>AWAHAFRNEPKYKVVQDTYQIMKVEGH VFPEFKESDAMFAAERAPDWVDAEECH<br>RCRVQFGVMTRKHHCRACGQIFCGKCSSKYSTIPKFGIEKEVR VCEPCYEQLNRKA<br>EGKATSTTELPPEYLTSPLSQQSQLPPKRDETAQEEEEELQLALALSQSEAEKERL<br>RQKSTYTSYPKAEPMPSSASSAPPASSLYSSPVNSSAPLAEDIDPELARYLNRNYWE<br>KKQEEARKSPTPSA PVPLTEPAAQPGEGHAAPTNVVENPLPETDSQPIPPSGGPFPS<br>EPQFHNGESEESHEQFLKALQNAVTTFFV NRMKSNHMRGRSITNDSAVLSLFQSING<br>MHPQLLELLNQLDERRLYYEGLQDKLAQIRDARGALSALREE HREKLRRAAEEAER |

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QRQIQLAQKLEIMRQKKQEYLEVQRQLAIQRLQEKEKERQMRLEQQKQTVQMRAQ  
M PAFPLPYAQLQAMPAAGGVLYQPSGPASFPSTFSPAGSVEGSPMHGVYMSQPA  
PAAGPYPSMPSTAADPS MVSAYMYPAGATGAQAAPQAQAGPTASPAYSSYQPTP  
TAGYQNVASQAPQSLPAISQPPQSSTMGYMGSSQ SVSMGYQPYNMQNLMTTLPSQ  
DASLPPQQPYIAGQQPMYQQMAPSGGPPQQQPPVAQQPQAQGPPAQGSE AQLIS  
FD TRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <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>Storage</b>          | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Protein Families</b> | Druggable Genome                                                                                                                              |
| <b>Protein Pathways</b> | Endocytosis                                                                                                                                   |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

## GENE INFORMATION

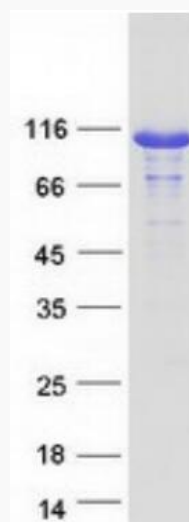
|                        |                                                                                           |
|------------------------|-------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | HGS hepatocyte growth factor-regulated tyrosine kinase substrate [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | HGS                                                                                       |

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|                       |             |
|-----------------------|-------------|
| <b>Synonyms</b>       | HRS         |
| <b>Gene ID</b>        | 9146        |
| <b>mRNA Refseq</b>    | NM_004712.5 |
| <b>Protein Refseq</b> | NP_004703.1 |
| <b>MIM</b>            | 604375      |
| <b>UniProt ID</b>     | O14964      |



Coomassie blue staining of purified HGS protein.