

## Product datasheet for TP300609

### HGS (NM\_004712) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human hepatocyte growth factor-regulated tyrosine kinase substrate (HGS), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA** >RC200609 protein sequence

**Clone or AA** **Red**=Cloning site **Green**=Tags(s)

**Sequence:**

MGRGSGTFERLLDKATSQLLLETDWESILQICDLIRQGDTQAKYAVNSIKKKVNDKNPHVALYALEVMES  
VKNCGQTVHDEVANKQTMEELKDLLKRQVEVNVNRNKILYLIQAWAHAFRNEPKYKVVQDTYQIMKVEGH  
VFPEFKESDAMFAAERAPDWVDAEECHRQVQFGVMTRKHHCRACGQIFCGKCSSKYSTIPKFGIEKEVR  
VCEPCYEQLNRKAEGKATSTTELPPEYLTSPLSQSSQLPPKRDETALQEEEEELQALALSQSEAEKERL  
RQKSTYTSYPKAEMPSSASSAPPASSLYSSPVNSSAPLAEDIDPELARYLNRNYWEKKQEEARKSPTPSA  
PVPLTEPAAQPGEGHAAPTNNVENPLPETDSQPIPPSGGPFSEPFHNGESEESHEQFLKALQNAVTTFV  
NRMKSNHMRGRSITNDSAVLSLFQSINGMHPQLLELLNQLDERRLYEGLQDKLAQIRDARGALSALREE  
HREKLRRAAEEAERQRQIQLAQKLEIMRQKKQEYLEVQRQLAIQRLQEQEKERQMRLEQQKQTVQMRAQM  
PAFPLPYAQLQAMPAAGGVLYQPSGPASFPSTFSPAGSVEGSPMHGVYMSQPAPAAGPYPSMPSTAADPS  
MVSAYMPAGATGAQAAPQAQAGPTASPAYSSYQPTPTAGYQNVASQAPQSLPAISQPPQSSTMGYMGSSQ  
SVSMGYQPYNMQNLMTTLPSQDASLPPQQPYIAGQQPMYQQMAPSGGPPQQQPVAQQPQAQGPPAQGSE  
AQLISFD

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 86 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

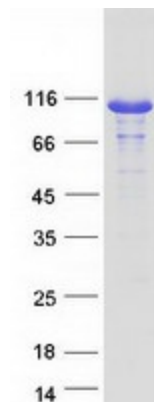
**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



[View online »](#)

<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.
<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_004703</a>
<b>Locus ID:</b>	9146
<b>UniProt ID:</b>	<a href="#">O14964</a> , <a href="#">A0A0S2Z4R4</a>
<b>RefSeq Size:</b>	2986
<b>Cytogenetics:</b>	17q25.3
<b>RefSeq ORF:</b>	2331
<b>Synonyms:</b>	HRS
<b>Summary:</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. [provided by RefSeq, Dec 2010]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Endocytosis

### Product images:



Coomassie blue staining of purified HGS protein (Cat# TP300609). The protein was produced from HEK293T cells transfected with HGS cDNA clone (Cat# [RC200609]) using MegaTran 2.0 (Cat# [TT210002]).