

Recombinant Human HGS Protein, His-tagged

Cat. No. HGS-2238H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HGS Protein (H+Glu468+Gln741+LESENSNSSSVDKLAAALEHHHHHH) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	H+Glu468+Gln741+LESENSNSSSVDKLAAALEHHHHHH
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 36.4 kDa Accurate Molecular Mass: 40 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

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
mRNA Refseq	NM_004712
Protein Refseq	NP_004703

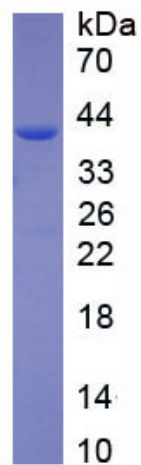
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MIM 604375

UniProt ID O14964



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