

Recombinant Human HGS, GST-tagged

Cat. No. HGS-13762H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HGS protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	186-387a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	HGS hepatocyte growth factor-regulated tyrosine kinase substrate [Homo sapiens]
Official Symbol	HGS

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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
MIM	604375
UniProt ID	O14964
Chromosome Location	17q25
Pathway	CXCR4-mediated signaling events, organism-specific biosystem; Disease, organism-specific biosystem; EGFR downregulation, organism-specific biosystem; ESCRT-0 complex, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; Endosomal Sorting Complex Required For Transport (ESCRT), organism-specific biosystem;
Function	metal ion binding; protein binding; protein domain specific binding;

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