

## Product datasheet for **CF505894**

### HGS Mouse Monoclonal Antibody [Clone ID: OTI3H7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3H7
Applications:	IF, WB
Recommended Dilution:	WB 1:4000, IF 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human HGS(NP_004703) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	86 kDa
Gene Name:	hepatocyte growth factor-regulated tyrosine kinase substrate
Database Link:	<a href="#">NP_004703</a> <a href="#">Entrez Gene 15239 Mouse</a> <a href="#">Entrez Gene 56084 Rat</a> <a href="#">Entrez Gene 9146 Human</a> <a href="#">Q14964</a>



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**Background:**

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]

**Synonyms:**

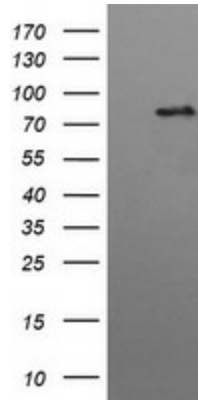
HRS

**Protein Families:**

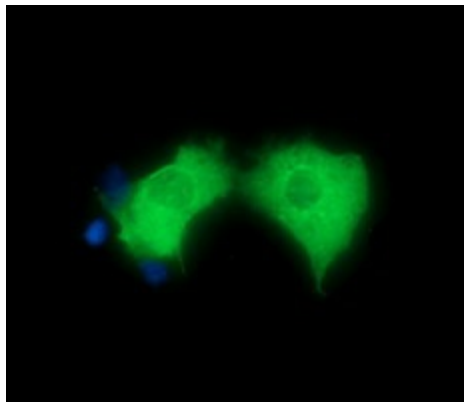
Druggable Genome

**Protein Pathways:**

Endocytosis

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY HGS (Cat# [RC200609], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HGS (Cat# [TA505894]). Positive lysates [LY401488] (100ug) and [LC401488] (20ug) can be purchased separately from OriGene.



Anti-HGS mouse monoclonal antibody ([TA505894]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY HGS ([RC200609]).