

Datasheet for ABIN7318574  
**c-MET Protein (AA 25-932) (His tag)**



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## Overview

Quantity:	50 µg
Target:	c-MET (MET)
Protein Characteristics:	AA 25-932
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This c-MET protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human HGFR/c-MET Protein (aa 25-932, His Tag)
Sequence:	Glu25-Thr932
Characteristics:	Recombinant Human Hepatocyte Growth Factor Receptor is produced by our Mammalian expression system and the target gene encoding Glu25-Thr932 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	c-MET (MET)
Alternative Name:	HGFR/c-MET ( <a href="#">MET Products</a> )

## Target Details

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**Background:** Background: Hepatocyte growth factor receptor (HGF R) is a glycosylated receptor tyrosine kinase that plays a central role in epithelial morphogenesis and cancer development. HGF R is synthesized as a single chain precursor which undergoes cotranslational proteolytic cleavage. Mature HGF R is a disulfide-linked dimer composed of a 50 kDa extracellular  $\alpha$  chain and a 145 kDa transmembrane  $\beta$  chain. Proteolysis and alternate splicing generate additional forms of human HGF R which either lack of the kinase domain, consist of secreted extracellular domains, or are deficient in proteolytic separation of the  $\alpha$  and  $\beta$  chains. The sema domain, which is formed by both  $\alpha$  and  $\beta$  chains of HGF R, mediates both ligand binding and receptor dimerization. HGF stimulation induces HGF R downregulation via internalization and proteasomedependent degradation. Paracrine induction of epithelial cell scattering and branching tubulogenesis results from the stimulation of HGF R on undifferentiated epithelium by HGF released from neighboring mesenchymal cells.

Synonym: Hepatocyte growth factor receptor, HGF receptor, HGF/SF receptor, Proto-oncogene c-Met, Scatter factor receptor, SF receptor, Tyrosine-protein kinase Met, MET

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**Molecular Weight:** 102.5 kDa

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**UniProt:** [P08581](#)

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**Pathways:** [RTK Signaling](#), [Carbohydrate Homeostasis](#), [Synaptic Membrane](#), [Signaling of Hepatocyte Growth Factor Receptor](#)

## Application Details

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**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

**Reconstitution:** Please refer to the printed manual for detailed information.

**Buffer:** Lyophilized from a 0.2  $\mu$ m filtered solution of PBS, pH 7.4.

**Storage:** 4 °C, -20 °C, -80 °C

**Storage Comment:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.