Recombinant Human MET

Cat. No. MET-29606TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 956-1390 of Human Met (c-Met) with an N terminal tag.
Species	Human
ProteinLength	956-1390 a.a.
Description	The proto-oncogene MET product is the hepatocyte growth factor receptor and encodes tyrosine-kinase activity. The primary single chain precursor protein is post-translationally cleaved to produce the alpha and beta subunits, which are disulfide linked to form the mature receptor. Various mutations in the MET gene are associated with papillary renal carcinoma. Two transcript variants encoding different isoforms have been found for this gene.
Biological activity	40 U/μg. One unit is defined as the amount of enzyme that will transfer 1 pmol phosphate to Tyr substrate per minute at pH 7.4 and 30°C. Assay buffer: 50 mM HEPES, pH 7.4, 3 mM MgCl2, 3 mM MnCl2, 1 mM DTT, 3 μM Na-orthovanadate, 0.1 mM ATP, 30 μg/ml Poly
Form	Liquid
Storage buffer	Preservative: NoneConstituents: 50% Glycerol, 0.05% Tween 20, 3mM DTT, 25mM Tris HCl, 100mM Sodium chloride, 10mM Reduced glutathione, pH 8
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.

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Sequence Similarities	Belongs to the protein kinase superfamily. Tyr protein kinase family.Contains 3 IPT/TIG domains.Contains 1 protein kinase domain.Contains 1 Sema domain.

GENE INFORMATION

Gene Name	MET met proto-oncogene (hepatocyte growth factor receptor) [Homo sapiens]
Official Symbol	MET
Synonyms	MET; met proto-oncogene (hepatocyte growth factor receptor); hepatocyte growth factor receptor; HGFR; RCCP2;
Gene ID	4233
mRNA Refseq	NM_000245
Protein Refseq	NP_000236
MIM	164860
Uniprot ID	P08581
Chromosome Location	7q31
Pathway	Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Arf6 signaling events, organism-specific biosystem; Axon guidance, organism-specific biosystem;
Function	ATP binding; hepatocyte growth factor-activated receptor activity; nucleotide binding;

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	protein binding; protein tyrosine kinase activity;

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