Active Recombinant Canine MET Protein, His-tagged

Cat. No. MET-1037C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant extracellular domain of canine MET (NP_001002963.1) (Met 1-Leu 935) was expressed, with a polyhistidine tag at the N-terminus.
Species	Canine
Source	HEK293
ProteinLength	1-935 a.a.
Predicted N Terminal	Glu 25
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	1. Measured by its binding ability in a functional ELISA. 2. Immobilized human HGF at 10 μg/mL (100 μl/well) can bind canine c-MET, The EC50 of canine c-MET is 7 ng/mL. 3. Immobilized canine MET-His at 10 μg/ml (100 μl/well) can bind biotinylated human HG
Molecular Mass	The recombinant canine c-Met is a disulfide-linked heterodimer composed of proteolytically cleaved α and β subunits. Each α and β subunit together consists of 922 amino acids and has a predicted molecular mass of 103 (α =33 + β =70) kDa. As a result of glycosylation, the apparent molecular mass of the canine c-Met is approximately 42-47 kDa and 85-95 kDa respectively in SDS-PAGE under reducing conditions.

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Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70ºC.
Storage	Store it under sterile conditions at -20ºC~-70ºC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	MET MET proto-oncogene, receptor tyrosine kinase [Canis lupus familiaris]
Official Symbol	MET
Synonyms	c-Met; HGF receptor; HGF/SF receptor; SF receptor; met proto-oncogene (hepatocyte growth factor receptor); met proto-oncogene tyrosine kinase; proto-oncogene c-Met; scatter factor receptor; tyrosine-protein kinase Met
Gene ID	403438
mRNA Refseq	NM_001002963
Protein Refseq	NP_001002963
MIM	
UniProt ID	Q75ZY9

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Chromosome Location	chromosome: 14
Pathway	Adherens junction, organism-specific biosystem; Axon guidance, conserved biosystem; Central carbon metabolism in cancer, organism-specific biosystem
Function	ATP binding; transmembrane receptor protein tyrosine kinase activity

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