Canine c-MET / HGFR Protein (His Tag)

Catalog Number: 70008-D08H

General Information

Gene Name Synonym:
MET

Protein Construction:
A DNA sequence encoding the extracellular domain of canine MET (NP_001002963.1) (Met 1-Leu 935) was expressed, with a polyhistidine tag at the N-terminus.

Source: Canine

Expression Host: HEK293 Cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE

Bio Activity:
1. Measured by its binding ability in a functional ELISA. 2. Immobilized human HGF (Cat:10463-HNAS) at 10 μg/mL (100 μl/well) can bind canine c-MET (Cat:70008-D08H), The EC50 of canine c-MET (Cat:70008-D08H) is 7 ng/mL. 3. Immobilized canine MET-His at 10 μg/ml (100 μl/well) can bind biotinylated human HGF-His (Cat:10463-H08H), The EC50 of biotinylated human HGF-His (Cat:10463-H08H) is 0.11-0.25 μg/ml.

Endotoxin:
< 1.0 EU per μg of the protein as determined by the LAL method

Stability:
Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Glu 25

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.

Formulation:
Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:
Detailed reconstitution instructions are sent along with the products.

References