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Product Information

MemDX™ Membrane Protein Human HGF (Hepatocyte growth factor) expressed in Hi-5 insect for Antibody Discovery

Cat. No.: **MP0030Q**
This product is for research use only and is not intended for diagnostic use.

This product is a 83.13kDa Human HGF membrane protein expressed in Hi-5 insect. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
HGF

Protein Length
Partial

Protein Class
Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, Protease, Transmembrane

Molecular Weight
83.13kDa

Sequence
alphachain:QRKRRNTIHEFKKSAKTTLIKIDPALKIKTKKVNTADQCANRCTRNKGLPFTCKAFVFDKARKQCLWFPFNSMSSGVKKE

betachain:VVNGIPTRTNIGWMVSLRYRNKHICGGSLIKESWVLTARQCFPSRDLKDYEAWLGIHDVHGRGDEKCKQVLNVSQLVYG

Product Description

Expression Systems
Hi-5 insect

Tag
Tag Free

Form
Powder

Endotoxin
< 1 EU/μg

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Purity

>95% as determined by SDS-PAGE and Coomassie blue staining

Buffer

0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

HGF

Full Name

Hepatocyte growth factor

Introduction

This gene encodes a protein that binds to the hepatocyte growth factor receptor to regulate cell growth, cell motility and morphogenesis in numerous cell and tissue types. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate alpha and beta chains, which form the mature heterodimer. This protein is secreted by mesenchymal cells and acts as a multi-functional cytokine on cells of mainly epithelial origin. This protein also plays a role in angiogenesis, tumorogenesis, and tissue regeneration. Although the encoded protein is a member of the peptidase S1 family of serine proteases, it lacks peptidase activity. Mutations in this gene are associated with nonsyndromic hearing loss.

Alternative Names

DFNB39; F-TCF; HGFB; HPTA; SF

Gene ID

3082

UniProt ID

P14210

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