

# 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:QRKRRNTIHEFKKSAKTTLIKIDPALKIKTKKVNTADQCANRCTRNKGLPFTCKAFVFDKARKQCLWFPFNSMSSGVKKK

betachain:VVNGIPTRTNIGWMVSLRYRNKHICGGSLIKESWVLTARQCFPSRDLKDYEAWLGIHDVHGRGDEKCKQVLNVSQLVYQ

### Product Description

#### **Expression Systems**

Hi-5 insect

#### **Tag**

Tag Free

#### **Form**

Powder

#### **Endotoxin**

< 1 EU/μg

**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, tumorigenesis, 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](#)