

Product Information

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

Cat. No.: **MP0149Q**

This product is for research use only and is not intended for diagnostic use.

This product is a 78 kDa Human HGF membrane protein expressed in 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

Full-length

Protein Class

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

Molecular Weight

78 kDa

Sequence

MWVTKLLPALLLQHVLHLLLLPIAIPYAEGQRKRRNTIHEFKKSAKTTLIKIDPALKIK
TKKVNTADQCANRCTRNGKLPFTCKAFVFDKARKQCLWFPFNSMSSGVKKEFGHEFDLYE
NKDYIRNCIIGKGRSYKGTVSITKSGIKCQPWSSMIPHEHSFLPSSYRGKDLQENYCRNP
RGEEGGPWCFTSNPEVRYEVCDDIPQCSEVECMTNCGESYRGLMDHTESGKICQRWDHQTP
HRHKFLPERYPDKGFDDNYCRNPDGQPRWCYTLDPHTRWEYCAIKTCADNTMNDTDVPL
ETTECIQGGQEGYRGTVNTIWNIGIPCQRWDSQYPHEHDMTPENFKCKDLRENYCRNPDGS
ESPWCFTTDPNIRVGYCSQIPNCDMSHGQDCYRGNGKNYMGNLSQTRSGLTCSMWDKNME
DLHRHIFWEPDASKLNENYCRNPDHAGPWCYTGNPLIPWDYCPISRCEGDTTPTIVNL
DHPVISCAKTKQLRVVNGIPTRTNIGWMVSLRYRNKHICGGSLIKESWVLTARQCFPSRD
LKDYEAWLGIHDVHGRGDEKCKQVLNVSQVLYGPEGSDLVLMKLARPAVLDDFVSTIDL
NYGCTIPEKTSCSVYGWGYTGLINYDGLLRVAHLYIMGNEKCSQHHRGKVTNLNESEICAG
AEKIGSGPCEGDYGGPLVCEQHKMRMVLGVIVPGRGCAIPNRPGIFVRVAYYAKWIIHKII
LTYKVPQS

Product Description

Expression Systems

Insect

Form

Powder

Endotoxin

< 0.1 ng per µg

Purity

>95% pure by SDS-PAGE and visualised by silver stain

Buffer

50 mM Acetic Acid with BSA as stabilizer

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; Hepatocyte growth factor; Hepatopoietin-A; Scatter factor

Gene ID

[3082](#)

UniProt ID

[P14210](#)