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Produktinformation



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Diagnostik & molekulare Diagnostik



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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

HDGF (Human) Recombinant Protein

Catalog Number: P8760

Regulation Status: For research use only (RUO)

Product Description: Human HGF partial recombinant protein expressed in HEK293 cells.

Sequence:

QRKRRNTIHEFKKSAKTTLIKIDPALKIKTKKVNTADQC
ANRCTRNGKLPFTCKAFVFDKARKQCLWFPNSMSS
GVKKEFGHEFDLYENKDYIRNCIIGKGRSYKGTVSITKS
GIKQPWSSMIPHEHSFLPSSYRGKDLQENYCRNPRG
EEGPPWCFTSNPEVRYEVCDIPQCSEVECMTCSNGES
YRGLMDHTESGKICQRWDHQTPHRHKFLPERYPDKG
FDDNYCRNPDGQPRPWCYTLDPHTRWEYCAIKTCAD
NTMNDTDVPLETTECIQQGEGYRGTVNITWNGIPCQ
RWDSQYPHEHDMTPENFKCKDLRENYCRNPDGSES
PWCFTTDPNIRVGYCSQIPNCDMSHGQDCYRNGNKN
YMGNSQTRSGLTCSMWDKNMEDLHRHIFWEPDASK
LNEYCRNPDDDAHGPWCYTGNPLIPWDYCPISRCE
GDTTPTIVNLDHPVISCAKTKQLRVVNGIPTRTNIGWM
VSLRYRNKHICGGLIKESWVLTARQCSPSRDLKDYE
WLGIVHVGGRGDEKCKQVLNVSQLVYGPESDLVLM
KLARPAVLDDFVSTIDLPNYGTIPEKTSQSVYGGWYT
GLINYDGLLRVAHLYIMGNEKCSQHHRGKVTLNESEIC
AGAEEKIGSGPCEGDYGGPLVCEQHKMRMVLGVIVPG
RGCAIPNRPGIFVRVAYYAKWIHKILTYKVPQS

Host: Human

Theoretical MW (kDa): 80

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product
page for detailed protocols

Form: Lyophilized

Preparation Method: Mammalian cell (HEK 293)
expression system

Purification: chromatographic

Purity: > 90% as determined by SDS-PAGE.

Activity: ED₅₀ is 20-40 ng/mL, measured in a cell

proliferation assay using 4MBr-5 rhesus monkey
epithelial cells (ATCC CCL-208).

Storage Buffer: Protein (1 mg/mL) was lyophilized from
a solution containing 10 mM sodium phosphate, pH 6.5,
0.01% Tween 80, 150 mM NaCl, 100mM L-Arginine.
Reconstitute the lyophilized powder in ddH₂O to 100
ug/mL.

Storage Instruction: Lyophilized protein at room
temperature for 3 weeks, should be stored at -20°C.
Protein aliquots at 4°C for 2-7 days and should be stored
at -20°C to -80°C. For long term storage it is
recommended to add a carrier protein (0.1% HSA or
BSA).

Avoid repeated freeze/thaw cycles.

Entrez GeneID: 3082

Gene Symbol: HGF

Gene Alias: F-TCF, HGFB, HPTA, SF

Gene Summary: Hepatocyte growth factor regulates
cell growth, cell motility, and morphogenesis by
activating a tyrosine kinase signaling cascade after
binding to the proto-oncogenic c-Met receptor.
Hepatocyte growth factor is secreted by mesenchymal
cells and acts as a multi-functional cytokine on cells of
mainly epithelial origin. Its ability to stimulate
mitogenesis, cell motility, and matrix invasion gives it a
central role in angiogenesis, tumorigenesis, and tissue
regeneration. It is secreted as a single inactive
polypeptide and is cleaved by serine proteases into a
69-kDa alpha-chain and 34-kDa beta-chain. A disulfide
bond between the alpha and beta chains produces the
active, heterodimeric molecule. The protein belongs to
the plasminogen subfamily of S1 peptidases but has no
detectable protease activity. Alternative splicing of this
gene produces multiple transcript variants encoding
different isoforms. [provided by RefSeq]