



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### HGF (Human) Recombinant Protein

**Catalog Number:** P8759

**Regulation Status:** For research use only (RUO)

**Product Description:** Human HGF recombinant protein expressed in Insect cells.

**Sequence:**

QRKRRNTIHEFKKSAKTTLIKIDPALKIKTKKVNTADQC  
ANRCTRNGLPFTCKAFVFDKARKQCLWFPNSMSS  
GVKKEFGHEFDLYENKDYIRNCIIGKGRSYKGTVSITKS  
GIKQCPWSSMIPHEHSYRGKDLQENYCRNPRGEEGG  
PWCFTSNPEVRYEVCIDIPQCSEVECMTCSNGESYRGL  
MDHTESGKICQRWDHQTTPHRHKFLPERYPDKGFDDN  
YCRNPDGQPRPWCYTLDPHTRWEYCAIKTCADNTMN  
DTDVPLETTECIQQGEGYRGTVNTIWNIGIPCQRWDS  
QYPHEHDMTPENFKCKDLRENYCRNPDGSESPWCFT  
TDPNIRVGYCSQIPNCDMSHGQDCYRNGKNYMGNL  
SQTRSGLTCSMWDKNMEDLHRHIFWEPDASKLNENY  
CRNPDDDAHGPPWCYTGNPLIPWDYCPISRCEGDTP  
TIVNLDHPVISCAKTKQLRVVNGIPIRTRNIGWVMSLR  
RKNKICGGSLIKESWVLTARQCFPSRDLKDYEAWLGIH  
DVHGRGDEKCKQVLNVSQLVYGPESDLVLMKLARP  
AVLDDFVSTIDLPNYGCTIPEKTSVYVYVWGYTGLINY  
DGLLRVAHLYIMGNEKCSQHHRGKVTLNESICAGAE  
KIGSGPCEGDYGGPLVCEQHKMRMVLGVIVPGRGCAI  
PNRPGIFVRVAYYAKWIHKIILTYKVPQS

**Host:** insect

**Theoretical MW (kDa):** 78

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

**Form:** Lyophilized

**Preparation Method:** Insect cells expression system

**Purification:** chromatographic

**Purity:** > 95% as determined by SDS-PAGE.

**Activity:** ED<sub>50</sub> is 2.0-5.0 ng/mL, assayed for scattering  
activity in the MDCK cell assay.

**Storage Buffer:** Protein (1 mg/mL) was lyophilized from

a solution containing 50 mM acetic acid. Reconstitute  
the lyophilized powder in 50 mM acetic acid 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, tumorogenesis, 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]