

Product datasheet

Recombinant human HGF protein (Active) ab632

1 Image

Description

Product name	Recombinant human HGF protein (Active)
Biological activity	Determined by the dose-dependent stimulation of the proliferation of monkey 4MBr-5 cells. The expected ED ₅₀ for this effect is 1.0-20.0 ng/ml.
Purity	>= 98 % SDS-PAGE. >=98% HPLC analyses. Sterile filtered.
Endotoxin level	< 1.000 Eu/μg
Expression system	BTI-TN-5B1-4 cells
Accession	P14210
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human

Sequence

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QRKRRNTIHE FKKSAKTTLI KIDPALKIKT KKVNTADQCA
NRCTRNGKLP FTCKAFVFDK ARKQCLWFPP
NSMSSGVKKE FGHEFDLYEN KDYIRNCIIG
KGRSYKGTVS ITKSGIKCQP WSSMIPHEHS
FLPSSYRGKD LQENYCRNPR GEEGGPWCFT
SNPEVRYEVC DIPQCSEVEC MTCNGESYRG
LMDHTESGKI CQRWDHQTPH RHKFLPERYP
DKGFDDNYCR NPDGQPRPWC YTLDPHTRWE
YCAIKTCADN TMNDTDVPLE TTECIQGQGE
GYRGTVNTIW NGIPCQRWDS QYPHEHDMTP
ENFKCKDLRE NYCRNPDGSE SPWCFTTDPN
IRVGYCSQIP NCDMSHGQDC YRGNGKNYMG
NLSQTRSGLT CSMWDKNMED LHRHIFWEPD
ASKLNENYCR NPDDDAHGPW CYTGNPLIPW
DYCPISRCEG DTTPTIVNLD HPVISCAKTK QLRVVNGIPT
RTNIGWMVSL RYRNKHICGG SLIKESWVLT
ARQCFPSRDL KDYEAWLGIH DVHGRGDEKC
KQVLNVSQLV YGPEGSDLVL MKLARPAVLD
DFVSTIDLPN YGCTIPEKTS CSVYGWGYTG LINYDGLLRV
AHLIYMGNEK CSQHHRGKVT LNESEICAGA
EKIGSGPCEG DYGGPLVCEQ HKMRMVLGVI
    
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Predicted molecular weight	80 kDa
Amino acids	32 to 728
Additional sequence information	α -chain and β -chain, held together by a single disulfide bond, resulting in formation of a biologically active heterodimer. Full length mature protein, without the signal peptide.

Specifications

Our [Abpromise guarantee](#) covers the use of **ab632** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	HPLC Functional Studies SDS-PAGE
Form	Lyophilized
Additional notes	Expression System = Baculovirus infected High-5 cells.

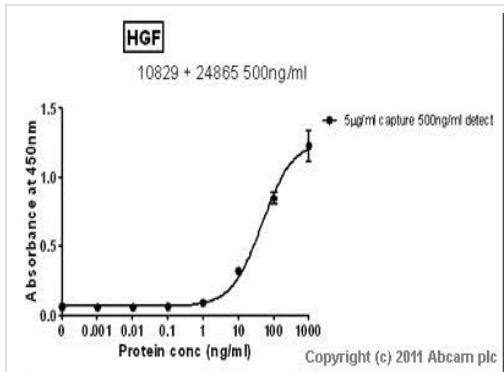
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. Constituents: 1.16% Sodium chloride, 0.12% Tris, 1.74% DL-Arginine This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.5 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

General Info

Function	Potent mitogen for mature parenchymal hepatocyte cells, seems to be a hepatotrophic factor, and acts as a growth factor for a broad spectrum of tissues and cell types. Activating ligand for the receptor tyrosine kinase MET by binding to it and promoting its dimerization.
Involvement in disease	Deafness, autosomal recessive, 39
Sequence similarities	Belongs to the peptidase S1 family. Plasminogen subfamily. Contains 4 kringle domains. Contains 1 PAN domain. Contains 1 peptidase S1 domain.

Images



Standard curve for HGF (Analyte: ab632); dilution range 1pg/ml to 1µg/ml using Capture Antibody [ab10829](#) at 5µg/ml and Detector Antibody [ab24865](#) at 0.5µg/ml.

Sandwich ELISA - Recombinant human HGF protein
(ab632)

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