

## ARG70227 Human HGF recombinant protein (Active)

Package: 25 µg  
Store at: -20°C

### Summary

Product Description	HEK293 expressed, Active Human HGF recombinant protein
Tested Reactivity	Hu, Mk
Tested Application	SDS-PAGE
Target Name	HGF
Species	Human
A.A. Sequence	<p>Alpha chain: KRRNTIHEFK KSAKTTLIKI DPALKIKTKK VNTADQCANR CTRNKGLPFT CKAFFVDFKAR KQCLWFPPNS MSSGVKKEFG HEFDLYENKD YIRNCIIGKG RSYKGTVSIT KSGIKCQPWS SMIPHEHSFL PSSYRGKDLQ ENYCRNPRGE EGGPWCFSTN PEVRYEVC DI PQCEVECM T CNGESYRGLM DHTESGKICQ RWDHQTPHRH KFLPERYPDK GFDDNYCRNP DGQPRPWCYT LDPHTRWEYC AIKTCADNTM NDTDVPLETT ECIQGQGEY RGTVNTIWN G IPCQRWDSQY PHEHDMTPEN FKCKDLRENY CRNPDGSESP WCFTTDPNIR VGYCSQIPNC DMSHGQDCYR GNGKNYMGNL SQTRSGLTCS MWDKNMEDLH RHIFWEPDAS KLNENYCRNP DDDAHGPWCY TGNPLIPWDY CPISRCEGDT TPTIVNLDHP VISCAKTKQL R</p> <p>Beta chain: VVNGIPTRTN IGWMVSLRYR NKHICGGLI KESWVLTARQ CFPSRDLKDY EAWLGIHDVH GRGDEKCKQV LNVSQLVYGP EGSDLVLMKL ARPAVLDDFV STIDLPNYGC TIPEKTSCSV YGWGYTG LIN YDGLLRVAHL YIMGNEKCSQ HHRGKVTLINE SEICAGAEKI GSGPCEGDY G GPLVCEQHKM RMVLGVIVPG RGCAIPNRPG IFVRVAYYAK WIIHKIITYK VPQS</p>
Expression System	HEK293
Activity	Active
Activity Note	Determined by the dose-dependent stimulation of the proliferation of monkey 4MBr-5 cells. The expected ED50 for this effect is 1.0 - 20.0 ng/ml.
Alternate Names	HPTA; Scatter factor; F-TCF; Hepatocyte growth factor; DFNB39; Hepatopoietin-A; HGFB; SF

### Properties

Form	Powder
Purity	> 95% by SDS-PAGE gel and HPLC analyses.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	HGF
Gene Full Name	hepatocyte growth factor (hepatopoietin A; scatter factor)
Background	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. [provided by RefSeq, Nov 2015]

**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. [UniProt]

**Calculated Mw**

79.4 kDa