

Recombinant mouse HGFR/c-MET protein

Catalog Number: ATGP3896

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

25-931aa

UniProt No.

P16056

NCBI Accession No.

NP_032617

Alternative Names

Tyrosine-protein kinase Met, SF receptor, Scatter factor receptor, RCCP2, Proto-oncogene c-Met, Par4, MET proto-oncogene receptor tyrosine kinase, Met, HGFR, HGF/SF receptor, HGF receptor, HGF R/c-MET, HGF, Hepatocyte growth factor receptor, c-Met, A1838057

PRODUCT SPECIFICATION

Molecular Weight

127.8 kDa (1146aa)

Concentration

0.25mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 85% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

hIgG-His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

HGFR, also known as c-Met, is a receptor tyrosine kinase (RTK) that has been shown to be overexpressed and/or mutated in a variety of malignancies. It regulates many physiological processes including proliferation,

Recombinant mouse HGFR/c-MET protein

Catalog Number: ATGP3896

scattering, morphogenesis and survival. This ligand binding at the cell surface induces autophosphorylation of MET on its intracellular domain that provides docking sites for downstream signaling molecules. This protein interacts with the PI3-kinase subunit PIK3R1, PLCG1, SRC, GRB2, STAT3 or the adapter GAB1. Recruitment of these downstream effectors by MET leads to the activation of several signaling cascades including the RAS-ERK, PI3 kinase-AKT, or PLCgamma-PKC. The RAS-ERK activation is associated with the morphogenetic effects while PI3K/AKT coordinates prosurvival effects. Recombinant mouse HGF R/c-MET, fused to hIlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

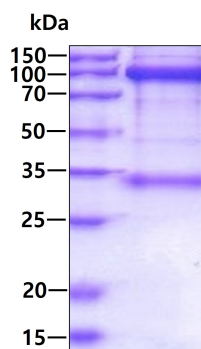
ECKEALVKSE MNVNMKYQLP NFTAETPIQN VVLHGHHIYL GATNYIYVLN DKDLQKVSEF KTGPVLEHPD CLPCRDCSSK ANSSGGVWKD NINMALLVDT YYDDQLISCG SVNRGTCQRH VLPPDNSADI QSEVHCMFSP EEESGQCPDC VVSALGAKVL LSEKDRFINF FVGNTINSSY PPGYSLHSIS VRRLKETQDG FKFLTDQSYI DVLPEFQDSY PIKYIHAFES NHFIYFLTVQ KETLDAQTFH TRIIRFCSVD SGLHSYMEMP LECILTEKRR KRSTREEVFN ILQAAYVSKP GANLAKQIGA SPSDDILFGV FAQSKPDSAE PVNRSVCAAF PIKYVNDFFN KIVNKNNVRC LQHFYGNHE HCFNRTLRLN SSGCEARSDE YRTEFTTALQ RVDLFMGRNL QVLLTSISTF IKGDLTIANL GTSEGRFMQV VLSRTAHLTP HVNFLDLSHP VSPEVIVEHP SNQNGYTLVV TGKKITKIPL NGLGCGHFQS CSQCLSAPYF IQCGWCHNQC VRFDECPSTG WTQEICLPAV YKVFPTSAPL EGGTVLTICG WDFGFRKNNK FDLRKTIVLL GNESTLTLS ESTTNTLKCT VGPAMSEHFN VSVIISNSRE TTQYSAFSYV DPVITSISPR YGPQAGGTLL TLTGKYLNSG NSRHISIGGK TCTLKSVDSDS ILECYTPAQT TSDEFVVKLK IDLANRETSS FSYREDPVVY EIHPKTSFIS GGSTITGIGK TLNSVSLPKL VIDVHEVGVN YTVACQHRSN SEIICCTTPS LKQLGLQLPL KTKAFFLLDG ILSKHFDLTY VHNPVFEPFE KPMISIGNE NVVEIKGNNI DPEAVKGEVL KVGNGQSCESL HWHSGAVLCT VPSDLLKLNLS ELNIEWKQAV SSTVLGKIV QPDQNFAL<LEP KSCDKTHTCP PCPELLGG PSVFLFPPKP KDTLMISRTP EVTCVVVDVS HEDPEVKFNW YVDGVEVHNA KTKPREEQYN STYRVVSVLT VLNHLDWLNGL EYKCKVSNKA LPAPIEKTIS KAKGQPREPQ VYTLPPSRDE LTKNQVSLTCLVKGFYPSDIAVEWESNGQP ENNYKTTTPV LKSDGTSFLLY SKLTVDKSRW QQGNVVFSCSV MHEALHNHYT QKSLSLSPGK HHHHHH>

General References

Kim JH., et al. (2018) J Cancer. 9:3427-3434.
Chen RL., et al. (2019) BMC Cancer. 18:1171.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.