

Datasheet for ABIN7554103
HGS Protein (AA 1-777) (His tag)



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Overview

Quantity:	1 mg
Target:	HGS
Protein Characteristics:	AA 1-777
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HGS protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat HGS Protein expressed in mammalien cells.
Sequence:	<p>MGRGSGTFER LLDKATSQLL LETDWESILQ ICDLIRQGDT QAKYAVNSIK KKVNDKNPHV ALYALEVMES VVKNGGQTVH DEVANKQTME ELKDLLKRQV EVNVRNKILY LIQAWAHAFR NEPKYKVVQD TYQIMKVEGH VFPEFKESDA MFAAERAPDW VDAEECHRRCR VQFGVMTRKH HCRACGQIFC GKCSSKYSTI PKFGIEKEVR VCEPCYEQLN RKAEGKATST TELPPEYLTS PLSQQSQLPP KRDETALQEE EELQLALALS QSEAEKERL RQKSTYTSYP KAEPMPSSASS APPASSLYSS PVNSSAPLAE DIDPELARYL NRNYWEKKQE EARKSPTPSA PVPLTEPAAQ PEGEGHAAPTN VVENPLPETD SQPIPPSGGP FSEPQFHNGE SEESHEQFLK ALQNAVTTFFV NRMKSNHMRG RSITNDSAVL SLFQSINGMH PQLLELLNQL DERRLYYEG LQDKLAQIRDA RGALSALREE HREKLRRAE EAERQRQIQL AQKLEIMRQK KQEYLEVQRQ LAIQRLQEQE KERQMRLEQQ KQTVQMRAQM PAFPLPYAQL QAMPAAGGVL YQPSGPASFP STFSPAGSVE GSPMHGVYMS QPAPAAGPYP SMPSTAADPS MVSAYMYPAG ATGAQAAPQA QAGPTASPAY</p>

Product Details

SSYQPTPTAG YQNVASQAPQ SLP AISQPPQ SSTMGYMG SQ SVSMGYQPYN MQNLMTTLPS
QDASLPPQQP YIAGQQPMYQ QMAPSGGPPQ QQPPVAQQPQ AQGPPAQGSE AQLISFD

Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

HGS

Alternative Name:

HGS ([HGS Products](#))

Background:

Hepatocyte growth factor-regulated tyrosine kinase substrate (Hrs) (Protein pp110),FUNCTION: Involved in intracellular signal transduction mediated by cytokines and growth factors. When associated with STAM, it suppresses DNA signaling upon stimulation by IL-2 and GM-CSF. Could be a direct effector of PI3-kinase in vesicular pathway via early endosomes and may regulate trafficking to early and late endosomes by recruiting clathrin. May concentrate ubiquitinated receptors within clathrin-coated regions. Involved in down-regulation of receptor tyrosine kinase via multivesicular body (MVBs) when complexed with STAM (ESCRT-0 complex). The ESCRT-0 complex binds ubiquitin and acts as a sorting machinery that

Target Details

recognizes ubiquitinated receptors and transfers them to further sequential lysosomal sorting/trafficking processes. May contribute to the efficient recruitment of SMADs to the activin receptor complex. Involved in receptor recycling via its association with the CART complex, a multiprotein complex required for efficient transferrin receptor recycling but not for EGFR degradation.

Molecular Weight: 86.2 kDa

UniProt: [O14964](#)

Pathways: [EGFR Signaling Pathway](#), [CXCR4-mediated Signaling Events](#), [Synaptic Vesicle Exocytosis](#), [EGFR Downregulation](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months