

Datasheet for ABIN7554544
MCF2L Protein (AA 1-1137) (His tag)



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Overview

Quantity:	1 mg
Target:	MCF2L
Protein Characteristics:	AA 1-1137
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MCF2L protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat MCF2L Protein expressed in mammalian cells.
Sequence:	MFDCWRFILC KRPGSNSYSS PQRPNKAKE ETDHQIDVSD VIRLVQDTPE ATAMATDEIM HQDIVPLCAA DIQDQLKKRF AYLSGGRGQD GSPVITFPDY PAFSEIPDKE FQNVMTYLT IPSLQDAGIG FILVIDRRRD KWTSVKASVL RIAASFANL QLVLVLRPTG FFQRTLSDIA FKFNRDDFKM KVPVIMLSSV PDLHGIDYDKS QLTEDLGGTL DYCHSRWLCQ RTAIESFALM VKQTAQMLQS FGTELAETEL PNDVQSTSSV LCAHTEKKDK AKEDLRLALK EGHSVLESRLR ELQAEGSEPS VNQDQLDNQA TVQRLLAQLN ETEAAFDEFW AKHQKLEQC LQLRHFEQGF REVKAILDAA SQKIATFTDI GNSLAHVEHL LRDLASFEEK SGVAVERARA LSLDGEQLIG NKHYAVDSIR PKCQELRHLC DQFSAEIARR RGLLSKSLEL HRRLETSMKW CDEGIYLLAS QPVDKCQSQD GAEALQEIE KFLETGAENK IQELNAIYKE YESILNQDLM EHVRFVQKQ ASMEEVFHRR QASLKKLAAR QTRPVQPVAP RPEALAKSPC PSPGIRRGSE NSSSEGGALR RGPYRRAKSE MSESQRGRGS AGEESLAI LRRHVMSELL DTERAYVEEL LCVLEGYAAE

Product Details

MDNPLMAHLL STGLHNKKDV LFGNMEEIYH FHNRIFLREL ENYTDCEPELV GRCFLERMED
FQIYEKQCQN KPRSESLWRQ CSDCPFFQEC QRKLDHKLSL DSYLLKPVQR ITKYQLLKE
MLKYSRNCEG AEDLQEALSS ILGILKAVND SMHLIAITGY DGNLGDGKLMQGSFSVWT
DHKRGHTKVK ELARFKPMQR HFLHEKAVL FCKKRENGE GYEKAPSYSY KQSLNMAAVG
ITENVKGDAAK KFEIWYNARE EVYIVQAPTP EIKAAWVNEI RKVLTSQLQA CREASQHRAL
EQSQLPLPA PTSTSPSRGN SRNIKKLEER KTDPLSLEGY VSSAPLTKPP EKGKGWSKTS
HSLEAPEDDG GWSSAEEQIN SSDAEEDGGL GPKKLVPGKY TVVADHEKGG PDALRVRSGD
VVELVQEGDE GLWYVRDPTT GKEGWVPASS LSVRLGPSGS AQCLSSSGKA HVPRAHP

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:

MCF2L

Alternative Name:

MCF2L ([MCF2L Products](#))

Background:

Guanine nucleotide exchange factor DBS (DBL's big sister) (MCF2-transforming sequence-like protein),FUNCTION: Guanine nucleotide exchange factor that catalyzes guanine nucleotide

Target Details

exchange on RHOA and CDC42, and thereby contributes to the regulation of RHOA and CDC42 signaling pathways (By similarity). Seems to lack activity with RAC1. Becomes activated and highly tumorigenic by truncation of the N-terminus (By similarity). Isoform 5 activates CDC42 (PubMed:15157669). {ECO:0000250|UniProtKB:Q63406, ECO:0000269|PubMed:15157669},
FUNCTION: [Isoform 3]: Does not catalyze guanine nucleotide exchange on CDC42 (PubMed:15157669). {ECO:0000269|PubMed:15157669}.

Molecular Weight: 128.1 kDa

UniProt: [O15068](#)

Pathways: [Neurotrophin Signaling Pathway](#), [Metabolism of Steroid Hormones and Vitamin D](#), [Thyroid Hormone Synthesis](#)

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