

Datasheet for ABIN7554492
MCF2 Protein (AA 1-925) (His tag)



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Overview

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|-------------------------------|---|
| Quantity: | 1 mg |
| Target: | MCF2 |
| Protein Characteristics: | AA 1-925 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This MCF2 protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS), Western Blotting (WB) |

Product Details

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| Purpose: | Custom-made recombinat MCF2 Protein expressed in mammalian cells. |
| Sequence: | <p>MAEANPRRGK MRFRRNAASF PGNLHLVLVL RPTSFLQRTF TDIGFWFSQE DFMLKLPVVM</p> <p>LSSVSDLLTY IDDKQLTPEL GGTLYQCHSE WIIFRNAIEN FALTVKEMAA MLQSFGTELA</p> <p>ETELPDDIPS IEEILAIRAE RYHLLKNDIT AVTKEGKILL TNLEVPDTEG AVSSRLECHR</p> <p>QISGDWQTIN KLLTQVHDME TAFDGFWEKH QLKMEQYLQL WKFEQDFQQL VTEVEFLLNQ</p> <p>QAEADVTGT IAQVKQKIKK LENLDENSQE LLSKAQFVIL HGHKLAANHH YALDLICQRC</p> <p>NELRYLSDIL VNEIKAKRIQ LSRTFKMHKL LQARQCCDE GECLLANQEI DKFQSKEDAQ</p> <p>KALQDIENFL EMALPFINYE PETLQYFEDV ILSPELVQM KTIQLKLENI RSIFENQQAG</p> <p>FRNLADKHVR PIQFVPTPE NLVTSCTPFF SSKQGKKTWR QNQSCLKIEV VPDCQEKRSS</p> <p>GPSSSLDNGN SLDVLKNHVL NELIQTERVY VRELYTVLLG YRAEMDNPEM FDLMPPLLRN</p> <p>KKDILFGNMA EIEYFHNDIF LSSLENCAHA PERVGPCFLE RKDDFQMYAK YCQNKPRSET</p> <p>IWRKYSECAF FQECQRKLKH RLRLDSYLLK PVQRITKYQL LLKELLKYSK DCEGSALLKK</p> |

Product Details

ALDAMLDLLK SVNDSMHQIA INGYIGNLNE LGKMIMQGGF SVWIGHKKGA TKMKDLARFK
PMQRHLFLYE KAIVFCKRRV ESGEGSDRYP SYSFKHCWKM DEVGITEYVK GDNRKFEIYW
GEKEEVYIVQ ASNVDVKMTW LKEIRNILLK QQELLTVKKR KQQDQLTERD KFAQSLQQND
EKQQGAFIST EETLEHTST VVEVCEAIAS VQAEANTVWT EASQSAEISE EPAEWSSNYF
YPTYDENEEE NRPLMRPVSE MALLY **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:

MCF2

Alternative Name:

MCF2 ([MCF2 Products](#))

Background:

Proto-oncogene DBL (Proto-oncogene MCF-2) [Cleaved into: MCF2-transforming protein, DBL-transforming protein], FUNCTION: Guanine nucleotide exchange factor (GEF) that modulates the Rho family of GTPases. Promotes the conversion of some member of the Rho family GTPase from the GDP-bound to the GTP-bound form. Isoform 1 exhibits no activity toward RHOA, RAC1 or CDC42. Isoform 2 exhibits decreased GEF activity toward CDC42. Isoform 3 exhibits a weak but significant activity toward RAC1 and CDC42. Isoform 4 exhibits significant activity toward

Target Details

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|-------------------|---|
| | RHOA and CDC42. The truncated DBL oncogene is active toward RHOA, RAC1 and CDC42. |
| Molecular Weight: | 107.7 kDa |
| UniProt: | P10911 |

Application Details

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| 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

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| 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 |