Datasheet for ABIN7553319

CHFR Protein (AA 1-664) (His tag)

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Overview

Quantity:	1 mg
Target:	CHFR
Protein Characteristics:	AA 1-664
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CHFR protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat CHFR Protein expressed in mammalien cells.
Sequence:	MERPEEGKQS PPPQPWGRLL RLGAEEGEPH VLLRKREWTI GRRRGCDLSF PSNKLVSGDH CRIVVDEKSG QVTLEDTSTS GTVINKLKVV KKQTCPLQTG DVIYLVYRKN EPEHNVAYLY ESLSEKQGMT QESFEANKEN VFHGTKDTSG AGAGRGADPR VPPSSPATQV CFEEPQPSTS TSDLFPTASA SSTEPSPAGR ERSSSCGSGG GGISPKGSGP SVASDEVSSF ASALPDRKTA SFSSLEPQDQ EDLEPVKKKM RGDGDLDLNG QLLVAQPRRN AQTVHEDVRA AAGKPDKMEE TLTCIICQDL LHDCVSLQPC MHTFCAACYS GWMERSSLCP TCRCPVERIC KNHILNNLVE AYLIQHPDKS RSEEDVQSMD ARNKITQDML QPKVRRSFSD EEGSSEDLLE LSDVDSESSD ISQPYVVCRQ CPEYRRQAAQ PPHCPAPEGE PGAPQALGDA PSTSVSLTTA VQDYVCPLQG SHALCTCCFQ PMPDRRAERE QDPRVAPQQC AVCLQPFCHL YWGCTRTGCY GCLAPFCELN LGDKCLDGVL NNNSYESDIL KNYLATRGLT WKNMLTESLV ALQRGVFLLS DYRVTGDTVL CYCCGLRSFR ELTYQYRQNI PASELPVAVT SRPDCYWGRN CRTQVKAHHA MKFNHICEQT RFKN

Product Details

	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 mammalien 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:	CHFR
Alternative Name:	CHFR (CHFR Products)
Background:	E3 ubiquitin-protein ligase CHFR (EC 2.3.2.27) (Checkpoint with forkhead and RING finger domains protein) (RING finger protein 196) (RING-type E3 ubiquitin transferase CHFR),FUNCTION: E3 ubiquitin-protein ligase that functions in the antephase checkpoint by actively delaying passage into mitosis in response to microtubule poisons. Acts in early prophase before chromosome condensation, when the centrosome move apart from each other along the periphery of the nucleus. Probably involved in signaling the presence of mitotic stress caused by microtubule poisons by mediating the 'Lys-48'-linked ubiquitination of target proteins, leading to their degradation by the proteasome. Promotes the ubiquitination and subsequent degradation of AURKA and PLK1. Probably acts as a tumor suppressor, possibly by mediating the polyubiquitination of HDAC1, leading to its degradation. May also promote the

Target Details

	formation of 'Lys-63'-linked polyubiquitin chains and functions with the specific ubiquitin-conjugating UBC13-MMS2 (UBE2N-UBE2V2) heterodimer. Substrates that are polyubiquitinated at 'Lys-63' are usually not targeted for degradation, but are rather involved in signaling cellular stress. {ECO:0000269|PubMed:10935642, ECO:0000269|PubMed:11807090, ECO:0000269|PubMed:11912157, ECO:0000269|PubMed:14562038, ECO:0000269|PubMed:14694445, ECO:0000269|PubMed:18172500, ECO:0000269|PubMed:19182791}.
Molecular Weight:	73.4 kDa
UniProt:	Q96EP1

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