

Datasheet for ABIN7553612
CWC22 Protein (AA 1-908) (His tag)



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Overview

Quantity:	1 mg
Target:	CWC22
Protein Characteristics:	AA 1-908
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CWC22 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CWC22 Protein expressed in mammalian cells.
Sequence:	<p>MKSSVAQIKP SSGHDRRENL NSYQRNSSPE DRYEEQERSP RDRDYFDYSR SDYEHSRRGR SYDSSMESRN RDREKRRERE RDTDRKRSRK SPSPGRRNPE TSVTQSSAQ DEPATKKKKD ELDPLLTRTG GAYIPPAKLR MMQEQITDKN SLAYQRMSWE ALKKSINGLI NKVNISNISI IIQELLQENI VRGRGLLSRS VLQAQSASPI FTHVYAALVA IINSKFPQIG ELILKRLILN FRKGYRRNDK QLCLTASKFV AHLINQNVAH EVLCLEMLTL LLERPTDDSV EVAIGFLKEC GLKLTQVSPR GINAIFERLR NILHESEIDK RVQYMIEVMF AVRKDGFKDH PIILEGLDLV EEDDQFTHML PLEDDYNPED VLVNFKMDPN FMENEKYKA IKKEILDEGD TDSNTDQDAG SSEEDEEEEEE EEGEEDEEGQ KVTIHDKTEI NLVSFRRTIY LAIQSSLD FE ECAHKLLKME FPESQTKELC NMILDCCAQQ RTYEKFFGLL AGRFCMLKKE YMESFEGIFK EQYDTIHRLE TNKLRNVAKM FAHLLYTD SL PWSVLECIKL SEETTTSSSR IFVKIFFQEL CEYMGLPKLN ARLKDETLP FFEGLLPRDN PRNTRFAINF FTSIGLGGLT DELREHLKNT PKVIVAQKPD VEQNKSSPSS SSSASSSES DSSDSDSDSS DSSSESSEE SDSSSISSHS SASANDVRKK GHGKTRSKEV</p>

Product Details

DKLIRNQQTN DRKQKERRQE HGHQETRTER ERRSEKHRDQ NSSGSNWRDP ITKYTSDKDV
PSERNNYSRV ANDRDQEMHI DLENKHGDPK KKRGERRNSF SENEKHTHRI KDFENFRRKD
RSKSKEMNRK HSGSRSEDR YQNGAERRWE KSSRYSEQSR ESKKNQDRRR EKSPAKQK

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.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: CWC22

Alternative Name: CWC22 ([CWC22 Products](#))

Background: Pre-mRNA-splicing factor CWC22 homolog (Nucampholin homolog) (fSAPb),FUNCTION: Required for pre-mRNA splicing as component of the spliceosome (PubMed:12226669, PubMed:11991638, PubMed:22961380, PubMed:28502770, PubMed:28076346, PubMed:29360106, PubMed:29301961). As a component of the minor spliceosome, involved in the splicing of U12-type introns in pre-mRNAs (Probable). Promotes exon-junction complex

Target Details

(EJC) assembly (PubMed:22959432, PubMed:22961380). Hinders EIF4A3 from non-specifically binding RNA and escorts it to the splicing machinery to promote EJC assembly on mature mRNAs. Through its role in EJC assembly, required for nonsense-mediated mRNA decay. {ECO:0000269|PubMed:11991638, ECO:0000269|PubMed:12226669, ECO:0000269|PubMed:22959432, ECO:0000269|PubMed:22961380, ECO:0000269|PubMed:23236153, ECO:0000269|PubMed:28076346, ECO:0000269|PubMed:28502770, ECO:0000269|PubMed:29301961, ECO:0000269|PubMed:29360106, ECO:0000305|PubMed:33509932}.

Molecular Weight: 105.5 kDa

UniProt: [Q9HCG8](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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