

Datasheet for ABIN7553554
CPSF1 Protein (AA 1-1443) (His tag)



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Overview

Quantity:	1 mg
Target:	CPSF1
Protein Characteristics:	AA 1-1443
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CPSF1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat CPSF1 Protein expressed in mammalian cells.
Sequence:	MYAVYKQ AHP PTGLEFSMYC NFFNNSERNL VVAGTSQLYV YRLNRDAEAL TKNDRSTEGK AHREKLELAA SFSFFGNVMS MASVQLAGAK RDALLSFKD AKLSVVEYDP GTHDLKTLSL HYFEEPELRD GFVQNVHTPR VRVDPDGRCA AMLVYGTRLV VLPFRRESLA EEHEGLVGE QRSSFLPSYI IDVRALDEKL LNIIDLQLFH GYYEPTLLIL FEPNQTPGR VAVRQDTC VAISLNITQK VHPVIWSLTS LPFDCTQALA VPKPIGGVV FAVNSLLYLN QSVPPYGV NSLTTGTTAF PLRTQEGVRI TLDCAQATFI SYDKMVISLK GGEIYVTLTI TDGMRSVRAF HFDKAAASVL TSMVTMEPG YLFLGSR LGN SLLLYTEKL QEPPASAVRE AADKEPPSK KKRVDATAGW SAAGKSVQD EVDEIEVYGS EAQSGTQLAT YSFEVCD SIL NIGPCANA GEPFLSEEF QNSPEPDLEI VVCSGHGKNG ALSVLQKSIR PQVTTFFELP GCYDMWTVIA PVRKEEDNP KEGTEQEPS TTPEADDGR RHGFLILSRE DSTMILQTGQ EIMELDTSGF ATQGPTVFAG NIGDNRYIVQ VSPLGIRLLE GVNQLHFIPV DLGAPIVQCA VADPYVWIMS

AEGHVTMFL L KSDSYGGRHH RLALHKPPLH HQSKVITLCL YRDLSGMFTT ESRLGGARDE
LGGRSGPEAE GLGSETSPTV DDEEEMLYGD SGSLEFSPSKE EARRSSQPPA DRDPAPFRAE
PTHWCLLVRE NGTMEIYQLP DWRLVFLVKN FPVQQRVLVD SSFGQPTTQG EARREEATRO
GELPLVKEVL LVALGSRQSR PYLLVHVDQE LLIYEAFPHD SQLGQGNLKV RFKKVPHNIN
FREKKPKPSK KKAEGGAE GAGARGRVAR FRYFEDIYGY SGVFICGPSP HWLLVTGRGA
LRLHPMAIDG PVDSFAPFHN VNCPRGFLYF NRQGELRISV LPAYLSYDAP WPVRKIPLRC
TAHYVAYHVE SKVYAVATST NTPCARIPRM TGEEKEFETI ERDERYIHPQ QEAFSIQLIS
PVSWEAIPNA RIELQEWVHV TCMKTVSLRS EETVSGLKGY VAAGTCLMQG EEVTCRGRIL
IMDVIEVPE PGQPLTKNKF KVLYEKEQKG PVTALCHCNG HLVSAIGQKI FLWSLRASEL
TGMAFIDTQL YIHQMISVKN FILAADVMKS ISLLRYQEEES KTLSLSVRDA KPLEVYSVDF
MVDNAQLGFL VSDRDRNLMV YMYLPEAKES FGGMRLRRA DFHVGAVHNT FWRTPCRGAT
EGLSKKSVVW ENKHITWFAT LDGGIGLLLP MQEKTYRRL MLQNALTTML PHHAGLNPR
FRMLHVDRRT LQNAVRNVD GELLNRYLYL STMERSELAK KIGTTPDIIL DDLETDRTV AHF

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:	CPSF1
Alternative Name:	CPSF1 (CPSF1 Products)
Background:	Cleavage and polyadenylation specificity factor subunit 1 (Cleavage and polyadenylation specificity factor 160 kDa subunit) (CPSF 160 kDa subunit),FUNCTION: Component of the cleavage and polyadenylation specificity factor (CPSF) complex that plays a key role in pre-mRNA 3'-end formation, recognizing the AAUAAA signal sequence and interacting with poly(A) polymerase and other factors to bring about cleavage and poly(A) addition. This subunit is involved in the RNA recognition step of the polyadenylation reaction (PubMed:14749727). May play a role in eye morphogenesis and the development of retinal ganglion cell projections to the midbrain (By similarity). {ECO:0000250 UniProtKB:A0A0R4IC37, ECO:0000269 PubMed:14749727}.
Molecular Weight:	160.9 kDa
UniProt:	Q10570

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