Datasheet for ABIN7546763

CPSF6 Protein (AA 1-551) (His tag)

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Overview

Quantity:	1 mg
Target:	CPSF6
Protein Characteristics:	AA 1-551
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CPSF6 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat CPSF6 Protein expressed in mammalien cells.
Sequence:	MADGVDHIDI YADVGEEFNQ EAEYGGHDQI DLYDDVISPS ANNGDAPEDR DYMDTLPPTV GDDVGKGAAP NVVYTYTGKR IALYIGNLTW WTTDEDLTEA VHSLGVNDIL EIKFFENRAN GQSKGFALVG VGSEASSKKL MDLLPKRELH GQNPVVTPCN KQFLSQFEMQ SRKTTQSGQM SGEGKAGPPG GSSRAAFPQG GRGRGRFPGA VPGGDRFPGP AGPGGPPPPF PAGQTPPRPP LGPPGPPGPP GPPPPGQVLP PPLAGPPNRG DRPPPPVLFP GQPFGQPPLG PLPPGPPPPV PGYGPPPGPP PPQQGPPPPP GPFPPRPPGP LGPPLTLAPP PHLPGPPPGA PPPAPHVNPA FFPPPTNSGM PTSDSRGPPP TDPYGRPPPY DRGDYGPPGR EMDTARTPLS EAEFEEIMNR NRAISSSAIS RAVSDASAGD YGSAIETLVT AISLIKQSKV SADDRCKVLI SSLQDCLHGI ESKSYGSGSR RERSRERDHS RSREKSRRHK SRSRDRHDDY YRERSRERER HRDRDRDRDR ERDREREYRH R **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make**

Product Details

	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:	CPSF6
Alternative Name:	CPSF6 (CPSF6 Products)
Background:	Cleavage and polyadenylation specificity factor subunit 6 (Cleavage and polyadenylation specificity factor 68 kDa subunit) (CPSF 68 kDa subunit) (Cleavage factor Im complex 68 kDa subunit) (CFIm68) (Pre-mRNA cleavage factor Im 68 kDa subunit) (Protein HPBRII-4/7),FUNCTION: Component of the cleavage factor Im (CFIm) complex that functions as an activator of the pre-mRNA 3'-end cleavage and polyadenylation processing required for the maturation of pre-mRNA into functional mRNAs (PubMed:9659921, PubMed:8626397, PubMed:14690600, PubMed:29276085). CFIm contributes to the recruitment of multiprotein complexes on specific sequences on the pre-mRNA 3'-end, so called cleavage and polyadenylation signals (pA signals) (PubMed:9659921, PubMed:8626397, PubMed:14690600). Most pre-mRNAs contain multiple pA signals, resulting in alternative cleavage and polyadenylation (APA) producing mRNAs with variable 3'-end formation (PubMed:23187700, PubMed:29276085). The CFIm complex acts as a key regulator of cleavage and

Target Details

	polyadenylation site choice during APA through its binding to 5'-UGUA-3' elements localized in the 3'-untranslated region (UTR) for a huge number of pre-mRNAs (PubMed:20695905, PubMed:29276085). CPSF6 enhances NUDT21/CPSF5 binding to 5'-UGUA-3' elements localized upstream of pA signals and promotes RNA looping, and hence activates directly the mRNA 3'-processing machinery (PubMed:15169763, PubMed:29276085, PubMed:21295486). Plays a role in mRNA export (PubMed:19864460). {ECO:0000269|PubMed:14690600, ECO:0000269|PubMed:15169763, ECO:0000269|PubMed:19864460, ECO:0000269|PubMed:20695905, ECO:0000269|PubMed:21295486, ECO:0000269|PubMed:23187700, ECO:0000269|PubMed:29276085, ECO:0000269|PubMed:8626397, ECO:0000269|PubMed:9659921}., FUNCTION: (Microbial infection) Binds HIV-1 capsid-nucleocapsid (HIV-1 CA-NC) complexes and might thereby promote the integration of the virus in the nucleus of dividing cells (in vitro). {ECO:0000269|PubMed:24130490}.
Molecular Weight:	59.2 kDa
UniProt:	Q16630

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