Datasheet for ABIN7546694

CPSF7 Protein (AA 1-471) (His tag)

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Overview

Quantity:	1 mg
Target:	CPSF7
Protein Characteristics:	AA 1-471
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CPSF7 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat CPSF7 Protein expressed in mammalien cells.
Sequence:	MSEGVDLIDI YADEEFNQDP EFNNTDQIDL YDDVLTATSQ PSDDRSSSTE PPPPVRQEPS PKPNNKTPAI LYTYSGLRNR RAAVYVGSFS WWTTDQQLIQ VIRSIGVYDV VELKFAENRA NGQSKGYAEV VVASENSVHK LLELLPGKVL NGEKVDVRPA TRQNLSQFEA QARKRECVRV PRGGIPPRAH SRDSSDSADG RATPSENLVP SSARVDKPPS VLPYFNRPPS ALPLMGLPPP PIPPPPPLSS SFGVPPPPPG IHYQHLMPPP PRLPPHLAVP PPGAIPPALH LNPAFFPPPN ATVGPPPDTY MKASAPYNHH GSRDSGPPPS TVSEAEFEDI MKRNRAISSS AISKAVSGAS AGDYSDAIET LLTAIAVIKQ SRVANDERCR VLISSLKDCL HGIEAKSYSV GASGSSSRKR HRSRERSPSR SRESSRRHRD LLHNEDRHDD YFQERNREHE RHRDRERDRH H **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.**

Product Details

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:	CPSF7
Alternative Name:	CPSF7 (CPSF7 Products)
Background:	Cleavage and polyadenylation specificity factor subunit 7 (Cleavage and polyadenylation specificity factor 59 kDa subunit) (CPSF 59 kDa subunit) (Cleavage factor Im complex 59 kDa subunit) (CFIm59) (Pre-mRNA cleavage factor Im 59 kDa subunit),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:8626397, PubMed:17024186, 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:8626397, PubMed:17024186). 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 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

Target Details

	(PubMed:20695905, PubMed:29276085). CPSF7 activates directly the mRNA 3'-processing machinery (PubMed:29276085). Binds to pA signals in RNA substrates (PubMed:8626397, PubMed:17024186). {ECO:0000269|PubMed:17024186, ECO:0000269|PubMed:20695905, ECO:0000269|PubMed:23187700, ECO:0000269|PubMed:29276085, ECO:0000269|PubMed:8626397}.
Molecular Weight:	52.1 kDa
UniProt:	Q8N684

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