Datasheet for ABIN7555625

SUPT5H Protein (AA 1-1087) (His tag)

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Overview

Quantity:	1 mg
Target:	SUPT5H
Protein Characteristics:	AA 1-1087
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SUPT5H protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SUPT5H Protein expressed in mammalian cells.
Sequence:	MSDSEDSNFS EEEDSERSSD GEEAEVDEER RSAAGSEKEE EPEDEEEEEE EEEYDEEEEE EDDDRPPKKP RHGGFILDEA DVDDEYEDED QWEDGAEDIL EKEEIEASNI DNVVLDEDRS GARRLQNLWR DQREEELGEY YMKKYAKSSV GETVYGGSDE LSDDITQQQL LPGVKDPNLW TVKCKIGEER ATAISLMRKF IAYQFTDTPL QIKSVVAPEH VKGYIYVEAY KQTHVKQAIE GVGNLRLGYW NQQMVPIKEM TDVLKVVKEV ANLKPKSWVR LKRGIYKDDI AQVDYVEPSQ NTISLKMIPR IDYDRIKARM SLKDWFAKRK KFKRPPQRLF DAEKIRSLGG DVASDGDFLI FEGNRYSRKG FLFKSFAMSA VITEGVKPTL SELEKFEDQP EGIDLEVVTE STGKEREHNF QPGDNVEVCE GELINLQGKI LSVDGNKITI MPKHEDLKDM LEFPAQELRK YFKMGDHVKV IAGRFEGDTG LIVRVEENFV ILFSDLTMHE LKVLPRDLQL CSETASGVDV GGQHEWGELV QLDPQTVGVI VRLERETFQV LNMYGKVVTV RHQAVTRKKD NRFAVALDSE QNNIHVKDIV KVIDGPHSGR EGEIRHLFRS FAFLHCKKLV ENGGMFVCKT RHLVLAGGSK PRDVTNFTVG GFAPMSPRIS SPMHPSAGGQ RGGFGSPGGG SGGMSRGRGR RDNELIGQTV RISQGPYKGY

Product Details

	IGVVKDATES TARVELHSTC QTISVDRQRL TTVGSRRPGG MTSTYGRTPM YGSQTPMYGS GSRTPMYGSQ TPLQDGSRTP HYGSQTPLHD GSRTPAQSGA WDPNNPNTPS RAEEEYEYAF DDEPTPSPQA YGGTPNPQTP GYPDPSSPQV NPQYNPQTPG TPAMYNTDQF SPYAAPSPQG SYQPSPSPQS YHQVAPSPAG YQNTHSPASY HPTPSPMAYQ ASPSPSPVGY SPMTPGAPSP GGYNPHTPGS GIEQNSSDWV TTDIQVKVRD TYLDTQVVGQ TGVIRSVTGG MCSVYLKDSE KVVSISSEHL EPITPTKNNK VKVILGEDRE ATGVLLSIDG EDGIVRMDLD EQLKILNLRF LGKLLEA **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:	SUPT5H
Alternative Name:	SUPT5H (SUPT5H Products)
Background:	Transcription elongation factor SPT5 (hSPT5) (DRB sensitivity-inducing factor 160 kDa subunit) (DSIF p160) (DRB sensitivity-inducing factor large subunit) (DSIF large subunit) (Tat-

Target Details

	cotransactivator 1 protein) (Tat-CT1 protein),FUNCTION: Component of the DRB sensitivity-inducing factor complex (DSIF complex), which regulates mRNA processing and transcription elongation by RNA polymerase II. DSIF positively regulates mRNA capping by stimulating the mRNA guanylyltransferase activity of RNGTT/CAP1A. DSIF also acts cooperatively with the negative elongation factor complex (NELF complex) to enhance transcriptional pausing at sites proximal to the promoter. Transcriptional pausing may facilitate the assembly of an elongation competent RNA polymerase II complex. DSIF and NELF promote pausing by inhibition of the transcription elongation factor TFIIS/S-II. TFIIS/S-II binds to RNA polymerase II at transcription pause sites and stimulates the weak intrinsic nuclease activity of the enzyme. Cleavage of blocked transcripts by RNA polymerase II promotes the resumption of transcription from the new 3' terminus and may allow repeated attempts at transcription through natural pause sites. DSIF can also positively regulate transcriptional elongation and is required for the efficient activation of transcriptional elongation by the HIV-1 nuclear transcriptional activator, Tat. DSIF acts to suppress transcriptional pausing in transcripts derived from the HIV-1 LTR and blocks premature release of HIV-1 transcripts at terminator sequences. {ECO:0000269|PubMed:10075709, ECO:0000269|PubMed:10199401, ECO:0000269|PubMed:10393184, ECO:0000269|PubMed:10421630, ECO:0000269|PubMed:10454543, ECO:0000269|PubMed:10757782, ECO:0000269|PubMed:10912001, ECO:0000269|PubMed:11112772, ECO:0000269|PubMed:11553615, ECO:0000269|PubMed:11809800, ECO:0000269|PubMed:12653964, ECO:0000269|PubMed:12718890, ECO:0000269|PubMed:14701750, ECO:0000269|PubMed:15136722, ECO:0000269|PubMed:15380072, ECO:0000269|PubMed:16214896, ECO:0000269|PubMed:9450929, ECO:0000269|PubMed:9514752, ECO:0000269|PubMed:9857195}.
Molecular Weight:	121.0 kDa
UniProt:	O00267

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