

Datasheet for ABIN7555455

SETD5 Protein (AA 1-1442) (His tag)



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Overview

Quantity:	1 mg
Target:	SETD5
Protein Characteristics:	AA 1-1442
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SETD5 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SETD5 Protein expressed in mammalian cells.
Sequence:	MSIAIPLGVT TSDTSYSDMA AGSDPESVEA SPAVNEKSVY STHNYGTTQR HGCRGLPYAT IIPRSDLNGL PSPVEERCGD SPNSEGETVP TWCPGGLSQD GLLNCDKCR GMSRGKVIRL HRRKQDNISG GDSSATESWD EELSPSTVLY TATQHTPTSI TLTVRRTKPK KRKKSPEKGR AAPKTKKIKN SPSEAQNLDE NTTEGWENRI RLWTDQYEEA FTNQYSADVQ NALEQHLHSS KEFVGKPTIL DTINKTELAC NNTVIGSQMQ LQLGRVTRVQ KHRKILRAAR DLALDTLIE YRGKVMLRQQ FEVNGHFFKK PYPFVLFYSK FNGVEMCVDA RTFGNDARFI RRSCTPNAEV RHMIADGMIH LCIYAVSAIT KDAEVTIAFD YEYSNCNYKV DCACHKGNRN CPIQKRNPN TELPLPPPP SLPTIGAETR RRKARRKELE MEQQNEASEE NNDQQSQEVP EKVTVSSDHE EVDNPEEKPE EEKEEVIDDQ ENLAHSRRTR EDRKVEAIMH AFENLEKRKK RRDQPLEQSN SDVEITTTTS ETPVGEETKT EAPSEVSNS VSNVTIPSTP QSVGVNTRRS SQAGDIAAEK LVPKPPPAKP SRPRPKSRIS RYRTSSAQLR KRQKQANAQQ AELSQAALAE GGSNSLVTPT EAGSLDSSGE NRPLTGSDPT VVSITGSHVN RAASKYPKTK KYLVTEWLND KAEKQECPVE

CPLRITTDPT VLATTLNMLP GLIHSPLECT TPKHYIRFGS PFIPERRRRP LLPDGTFSSC
KKRWIKQALE EGMTQTSSVP QETRTQHLYQ SNENSSSSSI CKDNADLLSP LKKWKSRYLM
EQNVTKLLRP LSPVTPPPPN SGSKSPQLAT PGSSHPGEEE CRNGYSLMFS PVTSLTTASR
CNTPLQFELC HRKDLDLAKV GYLDSENTNSC ADRPSLLNSG HSDLAPHPSL GPTSETGFPS
RSGDGHQTLV RNSDQAFRTE FNLMYAYSPL NAMPRADGLY RGSPLVGDRK PLHLDGGYCS
PAEGFSSRYE HGLMKDLSRG SLSPGGERAC EGVPSAPQNP PQRKKVSLLE YRKRKQEAKE
NSAGGGGDSA QSKSKSAGAG QGSSNSVSDT GAHGVQGSSA RTPSSPHKKF SPSHSSMSHL
EAVSPSDSRG TSSSHCRPQE NISSRWMVPT SVERLREGGS IPKVLRSSVR VAQKGESPT
WESNITEKDS DPADGEGPET LSSALSKGAT VYSPSRYSYQ LLQCDSRTE SQSLLQQSSS
PFRGHPTQSP GYSYRTTALR PGNPPSHGSS ESSLSTSYS SPAHPVSTDS LAPFTGTPGY
FSSQPHSGNS TGSNLPRRSC PSSAASPTLQ GPSDSPTSDS VSQSSTGTLS STSFPQNSRS
SLPSDLRTIS LPSAGQSAVY QASRVSAVSN SQHYPHRGSG GVHQYRLQPL QGSGVKTQTG LS

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:	SETD5
Alternative Name:	SETD5 (SETD5 Products)
Background:	Histone-lysine N-methyltransferase SETD5 (EC 2.1.1.359) (EC 2.1.1.367) (SET domain-containing protein 5),FUNCTION: Chromatin regulator required for brain development: acts as a regulator of RNA elongation rate, thereby regulating neural stem cell (NSC) proliferation and synaptic transmission. May act by mediating trimethylation of 'Lys-36' of histone H3 (H3K36me3), which is essential to allow on-time RNA elongation dynamics. Also monomethylates 'Lys-9' of histone H3 (H3K9me1) in vitro. The relevance of histone methyltransferase activity is however subject to discussion. {ECO:0000250 UniProtKB:Q5XJV7}.
Molecular Weight:	157.5 kDa
UniProt:	Q9C0A6

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