

Datasheet for ABIN7565061

AFF4 Protein (AA 1-1160) (His tag)



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Overview

Quantity:	1 mg
Target:	AFF4
Protein Characteristics:	AA 1-1160
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AFF4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Aff4 Protein expressed in mammalian cells.
Sequence:	<p>MNREDRNVLR MKERERRNQE IQQGEDAFPP SSPLFAEPYK VTSKEDKLSS RIQSMLGNYD</p> <p>EMKDYIGDRS IPKLVAIPKP AVPTTTDEKA NPNFFEQRHG GSHQSSKWTP VGPAPSTSQS</p> <p>QKRSSALQSG HSSQSRGAGG SGASSSGQRH DRDSYSSSRK KGQHGSEHSK SRSSSPGKPQ</p> <p>AVSSLSSSHS RSHGNDHHSK EHQRSKSPRD PDANWDSPSR GPFSSGQHSS QSFPPSLMSK</p> <p>SSSMLQKPTA YVRPMDGQES VEPKLSSEHY SSQSHGNSMT ELKPSSKAHL TKLKIPSRPL</p> <p>DASVSGDVSC VDEILKEMTH SWPPPLTAIH TPCKTEPSKF PFPTKESQQS NFGPGEQKRY</p> <p>STAKTSNGHQ SKSMLKDDLK LSSSEDSGE QDCDKTMPRS TPGSNSEPSH HNSEGADNSR</p> <p>DDSSSHSGSE SSSGSDSESE SSSSDSEANE PSQSASPEPE PPPTNKWQLD NWLNKVNPHK</p> <p>VSPASSVDSN IPSSQAYKKE GREQGTASNY TDPGGTKETS SATPGRDSKT IQKGSESGRG</p> <p>RQKSPAQSDS TTQRRTVGKK QPKKPEKSAA EEPRGGLKIE SETPVDMAAS MPSSRHKAAT</p> <p>KGSRKPNIKK ESKSSPRPTA EKKKYKSASK PSQKSREIIE TDTSSSDSDG SESLPSSQT</p> <p>PKYPESNRTP VKPSSVEEED SFFRQRMFSP MEEKELLSPL SEPDDRYPLI VKIDLNLLTR</p>

Product Details

IPGKPYKETE PPKGEKKNVP EKHSREVQKQ ASEKASNKGK RKHKNDDDTR ASESKKPKTE
DKNSSGHKPS SSRESSKQSS TKEKDLLPSP AGPILSKDSK TEHGSRKRTV SQSSSLKSSG
TSSKENS GSS SKSSSSSTAK QKKTEGKGPS SSKEAKEKAP NSSSNCPST PTSESSKPRR
TKLAFDDRNY SADHYLQEAK KLKHNADALS DRFEKAVYYL DAVVSFIECG NALEKNAQES
KSPFPMYSDT VELIKYTMKL KNYLAPDATA ADKRLTVLCL RCQSLLYLRL FKLKKENALK
YSKTLTEHLK NSYSNSQAPS PGLGSKAVGM PSPVSPKLSP GNSGSYSSGG SSASASGSSV
TIPQKIHQMA ASYVQVTSNF LYATEIWDQA EQLSKEQKEF FAELDKVMGP LIFNASIMTD
LARYTRQGLH WLRQDAKLIS

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: AFF4

Alternative Name: Aff4 ([AFF4 Products](#))

Background: AF4/FMR2 family member 4,FUNCTION: Key component of the super elongation complex

Target Details

(SEC), a complex required to increase the catalytic rate of RNA polymerase II transcription by suppressing transient pausing by the polymerase at multiple sites along the DNA. In the SEC complex, AFF4 acts as a central scaffold that recruits other factors through direct interactions with ELL proteins (ELL, ELL2 or ELL3) and the P-TEFb complex. In case of infection by HIV-1 virus, the SEC complex is recruited by the viral Tat protein to stimulate viral gene expression (By similarity). {ECO:0000250}.

Molecular Weight: 126.6 kDa

UniProt: [Q9ESC8](#)

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