Datasheet for ABIN7553957

c-FOS Protein (AA 1-380) (His tag)

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Overview

Quantity:	1 mg
Target:	c-FOS (c-Fos)
Protein Characteristics:	AA 1-380
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This c-FOS protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant FOS Protein expressed in mammalian cells.
Sequence:	MMFSGFNADY EASSSRCSSA SPAGDSLSYY HSPADSFSSM GSPVNAQDFC TDLAVSSANF IPTVTAISTS PDLQWLVQPA LVSSVAPSQT RAPHPFGVPA PSAGAYSRAG VVKTMTGGRA QSIGRRGKVE QLSPEEEEKR RIRRERNKMA AAKCRNRRRE LTDTLQAETD QLEDEKSALQ TEIANLLKEK EKLEFILAAH RPACKIPDDL GFPEEMSVAS LDLTGGLPEV ATPESEEAFT LPLLNDPEPK PSVEPVKSIS SMELKTEPFD DFLFPASSRP SGSETARSVP DMDLSGSFYA ADWEPLHSGS LGMGPMATEL EPLCTPVVTC TPSCTAYTSS FVFTYPEADS FPSCAAAHRK GSSSNEPSSD SLSSPTLLAL **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:

Product Details

	• 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:	c-FOS (c-Fos)
Alternative Name:	FOS (c-Fos Products)
Background:	Protein c-Fos (Cellular oncogene fos) (Fos proto-oncogene, AP-1 transcription factor subunit) (G0/G1 switch regulatory protein 7) (Proto-oncogene c-Fos) (Transcription factor AP-1 subunit c-Fos),FUNCTION: Nuclear phosphoprotein which forms a tight but non-covalently linked complex with the JUN/AP-1 transcription factor. In the heterodimer, FOS and JUN/AP-1 basic regions each seems to interact with symmetrical DNA half sites. On TGF-beta activation, forms a multimeric SMAD3/SMAD4/JUN/FOS complex at the AP1/SMAD-binding site to regulate TGF-beta-mediated signaling. Has a critical function in regulating the development of cells destined to form and maintain the skeleton. It is thought to have an important role in signal transduction, cell proliferation and differentiation. In growing cells, activates phospholipid synthesis, possibly by activating CDS1 and PI4K2A. This activity requires Tyr-dephosphorylation and association with the endoplasmic reticulum. {ECO:0000269|PubMed:16055710, ECO:0000269|PubMed:17160021, ECO:0000269|PubMed:22105363, ECO:0000269|PubMed:7588633, ECO:0000269|PubMed:9732876}.
Molecular Weight:	40.7 kDa

Target Details

UniProt:	P01100
Pathways:	S100 Proteins

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