Datasheet for ABIN2669410

c-FOS Protein (full length) (His tag)

1 Image

Go to Product page

Overview

Quantity:	5 µg
Target:	c-FOS (c-Fos)
Protein Characteristics:	full length
Origin:	Human
Source:	Baculovirus
Protein Type:	Recombinant
Purification tag / Conjugate:	This c-FOS protein is labelled with His tag.
Application:	Protein Interaction (PI)

Product Details

Characteristics:	Recombinant c-Fos was expressed from full length (accession number NM 003131) with an amino terminal polyhistidine tag in a baculovirus system and purified by an affinity column in combination with FPLC chromatography. The purified recombinant protein is greater than 90 % homogeneous and contains no detectable protease, DNase and RNase activity.
Purification:	Purified by an affinity column in combination with FPLC chromatography.
Purity:	The purified recombinant protein is greater than 90 % homogeneous and contains no detectable protease, DNase and RNase activity.

Target Details

Target:	c-FOS (c-Fos)
Alternative Name:	C-Fos (c-Fos Products)

Target Details

Background:	C-Fos is one of the proteins that form the heteromeric AP-1 transcription factor complex. AP-1 proteins play a role in the expression of many genes involved in the regulation of cellular processes such as differentiation, proliferation and apoptosis. The transcription factor AP-1 is composed of a mixture of heterodimeric protein complexes derived from the Fos and Jun families, including c-Fos, FosB, Fra-1, c-Jun, JunB and JunD. c-Fos is a nuclear phosphoprotein that 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 seem to interact with symmetrical DNA half sites. Upon TGF-β activation, c-Fos forms a multimeric SMAD3/SMAD4/Jun/Fos complex at the AP-1/SMAD-binding site to regulate TGF-β-mediated signaling. c-Fos has a critical function in regulating bone morphogenesis.
Pathways:	S100 Proteins

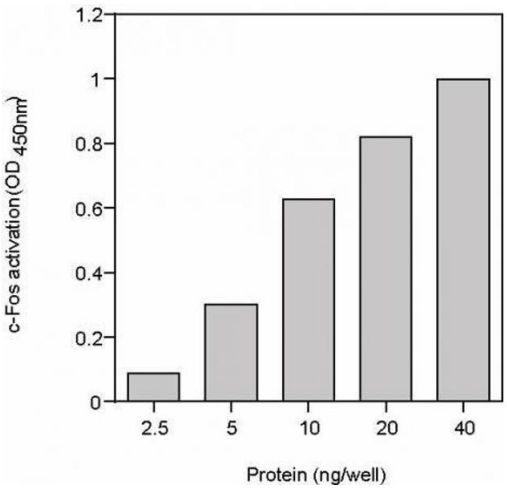
Application Details

Application Notes:	Recombinant c-Fos is suitable for DNA and protein-protein interaction assays. 100 ng is sufficient for DNA-protein and protein-protein interaction studies. The molecular weight of the protein is ~50 kDa. The standard curve for TransAM® AP-1 c-Fos was generated using the range of 40-2.5 ng of protein. NOTE: The presence of Poly [d(I-C)] in buffers may affect protein functionality and should be avoided.
Restrictions:	For Research Use only

Handling

Concentration:	0.5 µg/µL

Images



Chromatin Immunoprecipitation

Image 1. TransAM® standard curve generated using Recombinant c-Fos protein. The standard curve for TransAM® was generated using a range of 40-10 ng of protein and run on the TransAM® AP-1 c-Fos ELISA Kit.