

Recombinant Human FOS, His-tagged

Cat. No. FOS-27240TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human c-Fos with His tag expressed in a baculovirus system, 41kDa.
Species	Human
ProteinLength	-o a.a.
Description	The Fos gene family consists of 4 members: FOS, FOSB, FOSL1, and FOSL2. These genes encode leucine zipper proteins that can dimerize with proteins of the JUN family, thereby forming the transcription factor complex AP-1. As such, the FOS proteins have been implicated as regulators of cell proliferation, differentiation, and transformation. In some cases, expression of the FOS gene has also been associated with apoptotic cell death.
Conjugation	HIS
Biological activity	1 unit equals 1 nanogram of purified protein.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20% Glycerol, 20mM Tris HCl, 100mM Potassium chloride, 1mM DTT, 0.2mM EDTA, pH 8.0

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the bZIP family. Fos subfamily.Contains 1 bZIP domain.
Full Length	Full L.
GENE INFORMATION	
Gene Name	FOS FBJ murine osteosarcoma viral oncogene homolog [Homo sapiens]
Official Symbol	FOS
Synonyms	FOS; FBJ murine osteosarcoma viral oncogene homolog; v fos FBJ murine osteosarcoma viral oncogene homolog; proto-oncogene c-Fos; AP 1; c fos;
Gene ID	2353
mRNA Refseq	NM_005252
Protein Refseq	NP_005243
MIM	164810
Uniprot ID	P01100
Chromosome Location	14q24.3
Pathway	ATF-2 transcription factor network, organism-specific biosystem; Activated TLR4 signalling, organism-specific biosystem; Activation of the AP-1 family of transcription

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factors, organism-specific biosystem; B cell receptor signaling pathway, organism-specific biosystem; B cell receptor signaling pathway, conserved biosystem;

Function

R-SMAD binding; double-stranded DNA binding; protein binding; protein dimerization activity; sequence-specific DNA binding;

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