

Recombinant Human FOS, GST-tagged

Cat. No. FOS-26602TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human FOS was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	1-380 aa
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.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~78 kDa
Purity	>90%
Applications	Kinase Assay; Western Blot

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store product at –70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.2 ug/ul
GENE INFORMATION	
Gene Name	FOS FBJ murine osteosarcoma viral oncogene homolog [Homo sapiens]
Official Symbol	FOS
Synonyms	FOS; p55; AP-1; C-FOS; FBJ murine osteosarcoma viral oncogene homolog; proto-oncogene c-Fos; activator protein 1; cellular oncogene c-fos; G0/G1 switch regulatory protein 7; FBJ murine osteosarcoma viral (v-fos) oncogene homolog (oncogene 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; Activated TLR4 signalling; Activation of the AP-1 family of transcription factors

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Function

R-SMAD binding; double-stranded DNA binding; sequence-specific DNA binding

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA