FOS Protein
Full-length recombinant protein expressed in Sf9 cells

Catalog # F66-30G
Lot # Q211-2

Product Description
Recombinant full-length human FOS was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_005252.

Gene Aliases
c-FOS

Formulation
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.

Storage and Stability
Store product at –70°C. 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.

Scientific Background
FOS is a member of the FOS gene family that consists of 4 members: FOS, FOSB, FOSL1, and FOSL2. FOS gene encodes a leucine zipper protein that can dimerize with proteins of the JUN family, thereby forming the transcription factor complex AP-1. FOS proteins have been implicated as regulators of cell proliferation, differentiation, and transformation [1]. In some cases, expression of the FOS gene has also been associated with apoptotic cell death. FOS overexpression leads to decreased phosphorylation and dimerization of STAT1, which in turn downregulates p21 gene expression [2]. This regulatory pathway may enhance the proliferation of lymphocytes in rheumatoid arthritis patients.

References

Purity
The purity of FOS was determined to be >70% by densitometry. Approx. MW 78kDa.

Upstream Active Kinases
- p38α Catalog # M39-10G
- p38β Catalog # M36-10G

To place your order, please contact us by phone 1-{604}-232-4600, fax 1-604-232-4601 or by email: orders@signalchem.com
www.signalchem.com

FOR IN VITRO RESEARCH PURPOSES ONLY. NOT INTENDED FOR USE IN HUMAN OR ANIMALS.