

## Datasheet for ABIN6699563 **c-FOS Protein (GST tag)**



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### Overview

Quantity:	20 µg
Target:	c-FOS (c-Fos)
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This c-FOS protein is labelled with GST tag.
Application:	Western Blotting (WB)

### Product Details

Purpose:	FOS recombinant protein-GST fusion protein
Purification:	Recombinant full-length human FOS was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >90% by densitometry.
Purity:	>90%

### Target Details

Target:	c-FOS (c-Fos)
Alternative Name:	FOS ( <a href="#">c-Fos Products</a> )
Background:	<p>Synonyms: AP-1, c-FOS, Proto-oncogene c-Fos, Cellular oncogene fos, G0/G1 switch regulatory protein 7</p> <p>Background: FOS is a member of the FOS gene family that consists of 4 members: FOS, FOSB,</p>

## Target Details

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. FOS Protein is ideal for investigators involved in Signaling Proteins, Transcription Proteins, Angiogenesis, Apoptosis/Autophagy, Cancer, Cardiovascular Disease, ERK/MAPK Pathway, Invasion/Metastasis, and Neurobiology research.

NCBI Accession: [NM\\_005252](#)

Pathways: [S100 Proteins](#)

## Application Details

Application Notes:	Western_Blot_Dilution: User Optimized
	Other: Kinase Assay-User Optimized
	Application_Note: FOS Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~78 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.2 µg/µL
Buffer:	FOS Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.
Storage:	-80 °C
Storage Comment:	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.
Expiry Date:	12 months