

Recombinant Human FBJ Murine Osteosarcoma Viral Oncogene Homolog B

Cat. No. FOSB-1230H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FOSB encodes a nuclear protein of 338 amino acids which has 70% homology with c-Fos, exhibits similar kinetics of expression as c-Fos and forms heterodimers with both c-Jun and Jun B which bind to TRE DNA response elements. Functional homologs of c-Fos and FOSB include Fra-1 and Fra-2 genes.
Species	Human
Source	E.coli
Description	FOSB is a protein that, in humans, is encoded by the FOSB gene. 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.
Form	Recombinant Human FOSB protein (a.a.113-151) at 100 µg/ml in 50 mM Tris-Acetate + pH 7.5 + 1 Mm EDTA + 20% Glycerol.
Application	ELISA; Inhibition Assays; Western Blotting
Storage	Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months. Please avoid freeze-thaw cycles.

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OfficialSymbol FOSB

GENE INFORMATION

Gene Name FOSB FBJmurine osteosarcoma viral oncogene homolog B [Homo sapiens]

Synonyms FOSB; FBJ murine osteosarcoma viral oncogene homolog B; AP-1; G0S3; GOS3; GOSB; MGC42291; DKFZp686C0818; activator protein 1; oncogene FOS-B; protein fosB; G0/G1 switch regulatory protein 3

Gene ID 2354

mRNA Refseq NM_001114171

Protein Refseq NP_001107643

MIM 164772

UniProt ID P53539

Chromosome Location 19q13.3

Pathway Osteoclast differentiation; TGF-betaReceptor Signaling Pathway

Function protein dimerization activity; sequence-specific DNA binding; transcription factor activity; sequence-specific DNA binding transcription factor activity; DNA binding

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