

Recombinant Human FOSB, GST-tagged

Cat. No. FOSB-12964H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human FOSB protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

Species Human

Source E.coli

ProteinLength 2-14a.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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Storage The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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

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Official Symbol	FOSB
Synonyms	FOSB; FBJ murine osteosarcoma viral oncogene homolog B; protein fosB; activator protein 1; AP 1; DKFZp686C0818; GOS3; GOSB; G0S3; MGC42291; oncogene FOS B; G0/G1 switch regulatory protein 3; AP-1;
Gene ID	2354
mRNA Refseq	NM_001114171
Protein Refseq	NP_001107643
MIM	164772
UniProt ID	P53539
Chromosome Location	19q13.3
Pathway	Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; Cocaine addiction, organism-specific biosystem; Cocaine addiction, conserved biosystem; Osteoclast differentiation, organism-specific biosystem; Osteoclast differentiation, conserved biosystem; TGF-beta Receptor Signaling Pathway, organism-specific biosystem;
Function	DNA binding; protein dimerization activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription factor binding;

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