

## Recombinant Human FOSB

Cat. No. FOSB-28107TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment, corresponding to amino acids 113-151 of Human Fos B
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	113-151 a.a.
<b>Description</b>	<p>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.</p>
<b>Form</b>	Liquid
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 20% Glycerol, 50mM Tris acetate, 1mM EDTA, pH 7.5
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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**Sequences of amino acids** SSGGASGSGGPSTSGTTSGPGPARPARARPRRPREETLT

**Sequence Similarities** Belongs to the bZIP family. Fos subfamily. Contains 1 bZIP domain.

## GENE INFORMATION

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

**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;

**Gene ID** 2354

**mRNA Refseq** NM\_001114171

**Protein Refseq** NP\_001107643

**MIM** 164772


**Uniprot ID** P53539

**Chromosome Location** 19q13.3

**Pathway** Osteoclast differentiation, organism-specific biosystem; Osteoclast differentiation, conserved biosystem; TGF-beta Receptor Signaling Pathway, organism-specific biosystem;

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**Function**

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

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