

Recombinant Human FOSB, GST-tagged, 113-151aa

Cat. No. FOSB-1303H Lot. No. (See product label)

SPECIFICATION

Species Human

Source E.coli

Product overview Recombinant Human FOSB (a.a. 113-151) expressed in *E. coli* shows a 32 kDa SDS-PAGE (Including GST). The FOS-B is purified by proprietary chromatographic techniques.

Description Fos B 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 Fos- B include Fra-1 and Fra-2 genes. The 4 members of Fos gene family are: FOS, FOSB, FOSL1, and FOSL2. These genes encode leucine zipper proteins which can dimerize with proteins of the JUN family, thus forming the transcription factor complex AP-1. The FOS proteins act as regulators of cell proliferation, differentiation, and transformation. Alternatively spliced transcript variants encoding different isoforms exist for Fos B.

Stability Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months. Please prevent freeze-thaw cycles.

GENE INFORMATION

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

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Synonyms	FOSB; FBJ murine osteosarcoma viral oncogene homolog B; AP-1; G0S3; GOS3; GOSB; MGC42291; DKFZp686C0818; oncogene FOS-B; activator protein 1; activator protein 1; 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
Function	protein dimerization activity; sequence-specific DNA binding; transcription factor activity; transcription factor binding

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