



## Product Datasheet

<b>Product Name</b>	FOS-B Human Recombinant
<b>Cata No</b>	CB501121
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	Protein fosB, G0/G1 switch regulatory protein 3, FOSB, G0S3, AP-1, GOS3, GOSB, MGC42291, DKFZp686C0818, FOS-B.

### 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. FOS-B Human Recombinant (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.

### Physical Appearance

Sterile Filtered clear solution.

### Formulation

FOS-B at 100µg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.

### 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.**

### Applications

- ELISA
- Inhibition Assays
- Western Blotting