



# Recombinant Rat Proto-oncogene c-Fos (Fos)

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| <b>Product Code</b>      | CSB-BP008790RA   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | P12841   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Rattus norvegicus (Rat)  |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MMFSGFNADY EASSSRCSSA SPAGDSLSTYY HSPADSFSSM GSPVNTQDFC<br>ADLSVSSANF IPTVTAISTS PDLQWLQVPT LVSSVAPSQT RAPHYGLPT<br>PSTGAYARAG VVKTMSGGRA QSIGRRGKVE QLSPEEEEEKR RIRRERNKMA<br>AAKCRNRRRE LTDTLQAETD QLEDEKSALQ TEIANLLKEK EKLEFILA AH<br>RPACKIPNDL GFPEEMSVTS LDLTGGLPEA TTPESSEEAFT LPLLNDPEPK<br>PSLEPVKNIS NMELKAEPFD DFLFPASSRP SGSETARVSP DVDLSGSFYA<br>ADWEPLHSSS LGMGPMVTEL EPLCTPVVTC TPSCTTYTSS FVFTYPEADS<br>FPSCAAHRK GSSSNEPSSD SLSSPTLLAL |
| <b>Source</b>            | Baculovirus  |
| <b>Target Names</b>      | Fos  |
| <b>Protein Names</b>     | Recommended name: Proto-oncogene c-Fos Alternative name(s): Cellular oncogene fos  |
| <b>Expression Region</b> | 1-380  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | Full length protein  |
| <b>Target Details</b>    | 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. In some cases, expression of the FOS gene has also been associated with apoptotic cell death.      |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.  |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.  |