

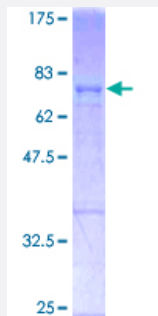
Full-Length

FOS (Human) Recombinant Protein (P01)

Catalog # H00002353-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human FOS full-length ORF (AAH04490, 1 a.a. - 380 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MMFSGFNADYEASSSRCSSASPAGDSLSEYHSPADSFSSMGSPVNAQDFCTDLAVSSANFIPT
VTAISTSPDLQWLQPALVSSVAPSQTRAPHFPGVPAPSAGAYSAGVVKMTTGGRAGSIGRRG
KVEQLSPEEEEKRRIRRRERNKMAAAKCRNRRRELDTLQAETDQLEDEKSALQTEIANLLKEKEK
LEFILAAHRPACKIPDDLGFPEEMSVASLDLTGGLPEVATPESEEFTLPLLNDPEPKPSVEPVK
SISSMELKTEPFDDFLFPASSRPSGSETARSPDMDLSGSFYAADWEPLHSGSLGMGPMATEL
EPLCTPVVTCPTCTAYTSSFVFTYPEADSFPSCAAHRKGSSSNEPSSDSLSSPTLLAL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

67.54

Interspecies Antigen Sequence

Mouse (94); Rat (94)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — FOS

Entrez GeneID[2353](#)**GeneBank Accession#**[BC004490](#)**Protein Accession#**[AAH04490](#)**Gene Name**

FOS

Gene Alias

AP-1, C-FOS

Gene Description

v-fos FBJ murine osteosarcoma viral oncogene homolog

Omim ID[164810](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

Other Designations

FBJ murine osteosarcoma viral (v-fos) oncogene homolog (oncogene FOS)|activator protein 1|cellular oncogene c-fos

Pathway

- [B cell receptor signaling pathway](#)
- [Colorectal cancer](#)
- [MAPK signaling pathway](#)
- [Pathways in cancer](#)
- [T cell receptor signaling pathway](#)
- [Toll-like receptor signaling pathway](#)

Disease

- [Anorexia Nervosa](#)
- [Asthma](#)
- [Bronchiolitis](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Osteoporosis](#)
- [Ovarian Neoplasms](#)
- [Pulmonary Disease](#)
- [Respiratory Syncytial Virus Infections](#)
- [Urinary Bladder Neoplasms](#)

- [Werner syndrome](#)