

## Product datasheet for **TP760257**

### **c Fos (FOS) (NM\_005252) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human FBJ murine osteosarcoma viral oncogene homolog (FOS), with N-terminal HIS tag, expressed in E.Coli, 50ug
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	A DNA sequence encoding human full-length FOS
<b>Tag:</b>	N-His
<b>Predicted MW:</b>	40.5 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_005243</a>
<b>Locus ID:</b>	2353
<b>UniProt ID:</b>	<a href="#">P01100</a>
<b>RefSeq Size:</b>	2158
<b>Cytogenetics:</b>	14q24.3
<b>RefSeq ORF:</b>	1140
<b>Synonyms:</b>	AP-1; C-FOS; p55



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**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, Jul 2008]

**Protein Families:**

Druggable Genome, Transcription Factors

**Protein Pathways:**

B cell receptor signaling pathway, Colorectal cancer, MAPK signaling pathway, Pathways in cancer, T cell receptor signaling pathway, Toll-like receptor signaling pathway

**Product images:**