

## Active Recombinant Human FOSL1, His-tagged

Cat. No. FOSL1-8500H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human FOSL1, fused with His tag, was expressed in Sf21 Cells.

**Species** Human

**Source** Sf21 Cells

**Description** The fos-related antigen 1 (Fra-1, or FosL1: Fos-like antigen 1) is a member of the Fos onco-protein family and a component of AP-1 transcription factor. Similar to other members of the family, Fra-1 contains a leucine zipper domain and a highly conserved C-terminal region. Transcription of Fra-1 gene is regulated by multiple cis-elements and 12-O-tetradecanoylphorbol-13-acetate (TPA). Fra-1 expression is associated with proliferation and invasiveness of breast cancer cells and other cancer cells.

**Form** 20 mM Tris-Cl, pH 7.9, 20% Glycerol, 100 mM KCl, 1 mM DTT and 0.2 mM EDTA

**Bio-activity** 1 unit equals 1 ng of purified protein. 20-200ng is sufficient for an in vitro transcription assay and 100ng is sufficient for a protein-protein interaction assay.

**AA Sequence**

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MFRDFGEPGP SSGNGGGYGG PAQPPAAAQA AQQKFHLVPS INTMSGSQEL
QWMVQPHFLG PSSYPRPLTY PQYSPPQPRP GVIRALGPPP GVRRRPCEQI
SPEEEERRRV RRERNKLA AA KCRNRRKELT DFLQAETDKL EDEKSGLQRE
IEELQKQKER LELVLEAHRP ICKIPEGAKE GDTGSTSGTS SPPAPCRPVP
CISLSPGPVL EPEALHTPTL MTTPSLTPFT PSLVFTYPST PEPCASAHRK
SSSSSGDPSS DPLGSPTLLA L
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<b>Purity</b>	>95% as determined by SDS-PAGE
<b>Storage</b>	-80 °C
<b>Concentration</b>	350 µg/ml
<b>Shipping</b>	Dry Ice

## GENE INFORMATION

<b>Gene Name</b>	FOSL1 FOS-like antigen 1 [ Homo sapiens ]
<b>Official Symbol</b>	FOSL1
<b>Synonyms</b>	FOSL1; FOS-like antigen 1; fos-related antigen 1; fra 1; FOS-like antigen-1; FRA; FRA1; fra-1;
<b>Gene ID</b>	8061
<b>mRNA Refseq</b>	NM_005438
<b>Protein Refseq</b>	NP_005429
<b>MIM</b>	136515
<b>UniProt ID</b>	P15407
<b>Chromosome Location</b>	11q13
<b>Pathway</b>	Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem; Calcium signaling in the CD4+ TCR pathway, organism-specific

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biosystem; DNA damage response (only ATM dependent), organism-specific biosystem; Downstream signaling in naive CD8+ T cells, organism-specific biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; Osteoclast differentiation, organism-specific biosystem;

**Function**

protein binding; protein dimerization activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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