

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	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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Purity	>95% as determined by SDS-PAGE
Storage	-80 °C
Concentration	350 µg/ml
Shipping	Dry Ice

GENE INFORMATION

Gene Name	FOSL1 FOS-like antigen 1 [Homo sapiens]
Official Symbol	FOSL1
Synonyms	FOSL1; FOS-like antigen 1; fos-related antigen 1; fra 1; FOS-like antigen-1; FRA; FRA1; fra-1;
Gene ID	8061
mRNA Refseq	NM_005438
Protein Refseq	NP_005429
MIM	136515
UniProt ID	P15407
Chromosome Location	11q13
Pathway	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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