

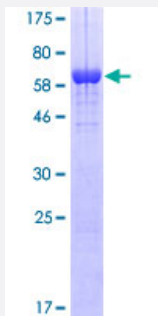
Full-Length

ILF2 (Human) Recombinant Protein (P01)

Catalog # H00003608-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ILF2 full-length ORF (NP_004506.2, 1 a.a. - 390 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MRGDRGRGRGGRFGSRGGPGGGFRPFVPHIPDFYLCEMAFPRVKPAPDETSFSEALLKRNQD
LAPNSAEQASILSLVTKINNVIDNLVAPGTFEVQIEEVRQVGSYKKGTTGHNVADLVVILKILPTL
EAVAALGNKVVESLRAQDPSEVL TMLTNETGFEISSDATVKILITVPPNLRKLDPELHLDIKVLQ
SALAAIRHARWFEENASQSTVKVLI RLLKDLRIRFPGFEP LTPWILDLLGHYAVMNNPTRQPLALNV
AYRRCLQLAAGLFLPGSVGITDPCESGNFRVHTVMTLEQQDMVCYTAQTLVRILSHGGFRKILGQ
EGDASYLASEISTWDGVVTPSEKAYEKPPEKKEGEEEEENTEPPQGEEEEESMETQE

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

69.5

Interspecies Antigen Sequence

Mouse (100)

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 — ILF2

Entrez GeneID[3608](#)**GeneBank Accession#**[NM_004515.2](#)**Protein Accession#**[NP_004506.2](#)**Gene Name**

ILF2

Gene Alias

MGC8391, NF45, PRO3063

Gene Description

interleukin enhancer binding factor 2, 45kDa

Omim ID[603181](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Nuclear factor of activated T-cells (NFAT) is a transcription factor required for T-cell expression of the interleukin 2 gene. NFAT binds to a sequence in the interleukin 2 gene enhancer known as the antigen receptor response element 2. In addition, NFAT can bind RNA and is an essential component for encapsidation and protein priming of hepatitis B viral polymerase. NFAT is a heterodimer of 45 kDa and 90 kDa proteins, the smaller of which is the product of this gene. The encoded protein binds strongly to the 90 kDa protein and stimulates its ability to enhance gene expression. [provided by RefSeq]

Other Designations

interleukin enhancer binding factor 2|nuclear factor of activated T-cells, 45-kDa

Publication Reference

- [ILF2 Directly Binds and Stabilizes CREB to Stimulate Malignant Phenotypes of Liver Cancer Cells.](#)

Du H, Le Y, Sun F, Li K, Xu Y.

Analytical Cellular Pathology (Amsterdam) 2019 Feb; 2019:1575031.

Application: IP, Human, Bel-7402, SMMC-7721 cells