

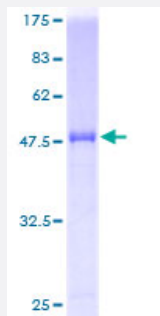
Full-Length

IL1F7 (Human) Recombinant Protein (P01)

Catalog # H00027178-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human IL1F7 full-length ORF (AAH20637, 1 a.a. - 218 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSFVGENSGVKMGSEDWEKDEPQCCLEDPVSPLEPGPSLPAMNFVHTSPKVKNLNPKKFSIH
DQDHKVLVLD SGNLIAPDKNYRPEIFFALASSLSSASAEKGSPILLGVSKGEFCLYCDKDKGQS
HPSLQLKKEKLMKLAAQKESARRPFIFYRAQVGSWNMLESAHPGWFICTSCNCNEPVGVTDKF
ENRKHIEFSFQPVCKAEMSPSEVSD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

49.72

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 — IL1F7

Entrez GeneID [27178](#)

GeneBank Accession# [BC020637](#)

Protein Accession# [AAH20637](#)

Gene Name IL1F7

Gene Alias FIL1, FIL1(ZETA), FIL1Z, IL-1F7, IL-1H4, IL-1RP1, IL1H4, IL1RP1

Gene Description interleukin 1 family, member 7 (zeta)

Omim ID [605510](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine can bind to, and may be a ligand for interleukin 18 receptor (IL18R1/IL-1Rrp). This cytokine also binds to interleukin 18 binding protein (IL18BP), an inhibitory binding protein of interleukin 18 (IL18), and subsequently forms a complex with IL18 receptor beta subunit, and through which it inhibits the activity of IL18. This gene along with eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. Five alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]

Other Designations IL-1F7b (IL-1H4, IL-1H, IL-1RP1)|IL-1X protein|IL1F7 (canonical product IL-1F7b)|interleukin 1 family member 7|interleukin 1 family, member 7|interleukin 1, zeta|interleukin-1 homolog 4|interleukin-1 superfamily z|interleukin-1-related protein

Publication Reference

- [Interleukin-37 is elevated in subjects with atopic dermatitis.](#)

Fujita H, Inoue Y, Seto K, Komitsu N, Aihara M.

Journal of Dermatological Science 2013 Feb; 69(2):173.

Application: IHC, Human, Skin

Disease

- [Arthritis](#)
- [Genetic Predisposition to Disease](#)
- [Spondylitis](#)