Bioactive

IL1F7 (Human) Recombinant protein

Catalog # P8853 Size 25 ug

Specification

Product Description	Human IL1F7 (Q9NZH6, 27 a.a. - 192 a.a) partial recombinant protein expressed in *Escherichia Coli*.
Sequence	MKNLNPKKFSIHDQDHKVLVLDSGNLIAVPDKNYIRPEIFFALASSLSSASAEK GSPILLGVSKGEF CLYCDKDKGQSHPSLQLKKEKLMKLAAQKESARRPFIFYR_x005F_x005F_x005F_x000D__x005 F_x000D__x000D_ AQVGSWNMLESAAHPGWFICTSCNCNEPVGVTDKFENRKHIEFSFQPVCK AE_x005F_x005F_x005F_x000D__x005F_x000D__x000D_ MSPSEVSD.
Host	Escherichia coli
Theoretical MW (kDa)	18.6
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purity	> 95% by SDS-PAGE.
Activity	As measured by the binding ability in a functional ELISA, immobilized IL1F7 at 1 ug/mL (100 uL/well) can bind rhIL-18 R/Fc Chimera with a linear range of 0.015 - 1 ug/mL.
Storage Buffer	Lyophilized from 20mM PB, 150mM NaCl and 2mM DTT, pH 7.4.
Storage Instruction	Lyophilized although stable at room temperature for 3 weeks. should be stored desiccated below -20 °C. Upon reconstitution should be stored at 4°C between 2-7 days and for future use below -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

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Gene Info — IL1F7

Entrez GeneID	27178
Protein Accession#	Q9NZH6
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

Disease

- Arthritis
- Genetic Predisposition to Disease
- Spondylitis

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