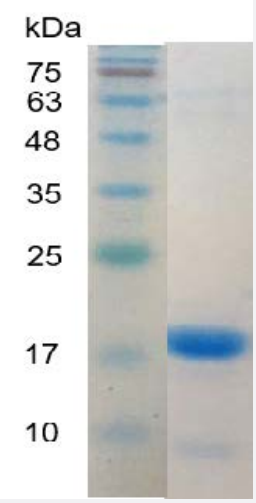
Bioactive

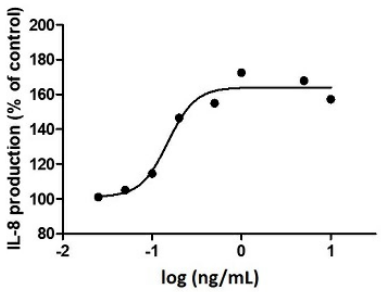
IL1F8 (Human) Recombinant Protein

Catalog # P7819 Size 20 ug

Applications



SDS-PAGE analysis of IL1F8 (Human) Recombinant Protein.



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human IL1F8 recombinant protein with polyhistidine tag at the C-terminus expressed in *Escherichia coli*.
Sequence	MREAAPKSYAIRDSRQMVWVLSGNSLIAAPLSRSIKPVTLHLIACRDTEFSDKEKGNMVYLGIKGK DLCLFCAEIQGKPTLQLKEKNIMDLYVEKKAQKPFLFFHNKEGSTSVFQSVSYPGWFIATSTTSGQ PIFLTKERGITNNTNFYLDSVE with polyhistidine tag at the C-terminus.
Host	Escherichia coli
Form	Lyophilized

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Preparation Method	*Escherichia coli* expression system
Purification	Ni-NTA chromatography
Purity	> 98% as determined by SDS-PAGE.
Endotoxin Level	< 0.1 EU/ ug of protein by the LAL method.
Activity	ED_{50} < 0.2 ng/mL, Measured by the induction of IL-8 secretion in human PBMCs.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue. SDS-PAGE analysis of IL1F8 (Human) Recombinant Protein.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from a solution containing 1X PBS, pH 7.4. Reconstitute the lyophilized powder in ddH_2O to 100 ug/mL.
Storage Instruction	Lyophilized protein should be stored at -20°C. Protein aliquots should be stored at-20°C to -80°C. Th is product is stable for one year. Avoid repeated freeze/thaw cycles.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — IL1F8

Entrez GeneID	27177
Gene Name	IL1F8
Gene Alias	FIL1, FIL1-(ETA), FIL1H, IL-1F8, IL-1H2, IL1-ETA, IL1H2, MGC126880, MGC126882
Gene Description	interleukin 1 family, member 8 (eta)
Omim ID	605508
Gene Ontology	Hyperlink

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Gene Summary	The protein encoded by this gene is a member of the interleukin 1 cytokine family. Protein structure modeling indicated that this cytokine may contain a 12-stranded beta-trefoil structure that is conserved between IL1A (IL-A alpha) and IL1B (IL-1 beta). This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. Two alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq
Other Designations	IL-1F8 (FIL1-eta)|IL1F8 (Canonical product IL-1F8a)|Interleukin-1 Superfamily e|family of interleukin 1-eta|interleukin 1 family, member 8|interleukin 1, eta|interleukin-1 homolog 2

Disease

- Arthritis
- Genetic Predisposition to Disease
- Spondylitis

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