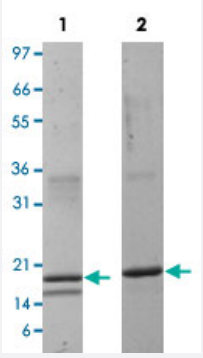
Bioactive

IL32 (Human) Recombinant Protein

Catalog # P4565 Size 10 ug

Applications



Lane 1: non-reducing conditions
Lane 2: reducing conditions

Result of activity analysis

Result of activity analysis

Human PBMCs were cultured with 0 to 1000 ng/mL human IL32 in serum free media. Human TNF alpha production was measured and the linear portion of the curve was us used to calculate the ED50.

Specification

Product Description	Human IL32 (AAS80146) recombinant protein expressed in *Escherichia coli*.
Sequence	MCFPKVLSDDMKKLKARMHQAIERFYDKMQNAESGRGQVMSSLAELEDDFKEGYLETVAAYYE EQHPELTPLLEKERDGLRCRGNRSPVPDVEDPATEEPGESFCDKSYGAPRGDKEELTPQKCSE PQSSK
Host	Escherichia coli
Theoretical MW (kDa)	14.9
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system

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Endotoxin Level	< 0.1 EU/ug
Activity	The activity is determined by the dose-dependent induction of TNF alpha production from human PBMCs. The expected ED_{50} for this effect is 101-152 ng/mL.
Quality Control Testing	1 ug/lane in 4-20% Tris-Glycine gel Stained with Coomassie Blue Lane 1: non-reducing conditions Lane 2: reducing conditions
Storage Buffer	Lyophilized with 50 mM Na_2PO_4, pH 7.5.
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with sterilized water, store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis Human PBMCs were cultured with 0 to 1000 ng/mL human IL32 in serum free media. Human TNF alpha production was measured and the linear portion of the curve was us used to calculate the ED50.

Applications

- Functional Study
- SDS-PAGE

Gene Info — IL32

Entrez GeneID	9235
Protein Accession#	AAS80146
Gene Name	IL32
Gene Alias	IL-32alpha, IL-32beta, IL-32delta, IL-32gamma, NK4, TAIF, TAIFa, TAIFb, TAIFc, TAIFd
Gene Description	interleukin 32
Omim ID	606001
Gene Ontology	Hyperlink

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Gene Summary	This gene encodes a member of the cytokine family. The protein contains a tyrosine sulfation site, 3 potential N-myristoylation sites, multiple putative phosphorylation sites, and an RGD cell-attachment sequence. Expression of this protein is increased after the activation of T-cells by mitogens or the activation of NK cells by IL-2. This protein induces the production of TNFalpha from macrophage cells. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq
Other Designations	natural killer cell transcript 4|natural killer cells protein 4|tumor necrosis factor alpha-inducing factor

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