

IL18 active protein

Recombinant Human IL18

CATALOG #
AAA214234

HOST
E Coli

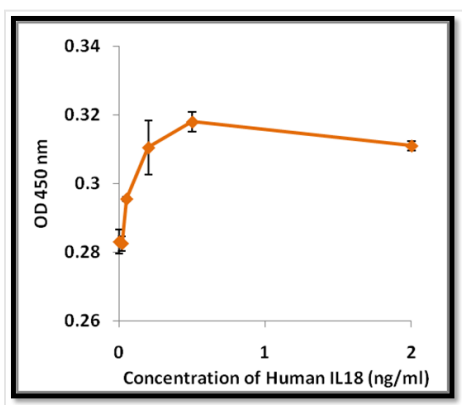
PRODUCT SYNONYMS

IL18; Recombinant Human IL18; IL-18; Interferon gamma-inducing factor; IFN-gamma-inducing factor; Interleukin-1 gamma; IL-1 gamma; Recombinant Human Interleukin-18 (IL18); IL18 active protein

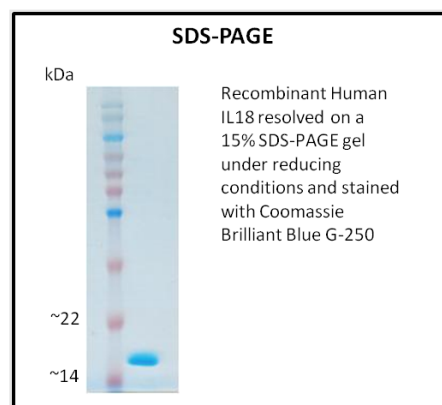
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from 0.2 um filtered solution in Tris buffer with NaCl
Sequence Length	189
Bioactivity	The ED(50) as determined by the dose-dependent proliferation of human PBMC co-stimulated with IL12 was found to be in the range of 5.0 ng/mL.
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for IL18 active protein	Also known as interferon-gamma-inducing factor (IGIF) and IL-1gamma, IL18 is a cytokine that bears structural similarities with members of the IL-1 family of proteins. IL18 is natively synthesized as a proform that gets processed by caspase-1 to generate the bioactive form of IL18. IL18 is one of the pro-inflammatory cytokines that is expressed by a variety of immune and non-immune cells. The activities of IL18 appear to be species specific. An important function of IL18 is the regulation of functionally distinct subsets of T-helper cells required for cell mediated immune responses. IL18 functions as a growth and differentiation factor for Th1 cells and is known to up-regulate the FAS ligand mediated cytotoxic activity of murine natural killer cells. IL18 also partakes in a complex regulatory circuit involved in causing cell death by apoptosis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	342349321
NCBI GeneID	3606
NCBI Accession #	NP_001230140.1
NCBI GenBank Nucleotide #	NP_001230140.1
UniProt Accession #	Q14116
Molecular Weight	18.5 kDa
NCBI Official Full Name	interleukin-18 isoform 2
NCBI Official Synonym Full Names	interleukin 18
NCBI Official Symbol	IL18
NCBI Official Synonym Symbols	IGIF; IL-18; IL-1g; IL1F4
NCBI Protein Information	interleukin-18
UniProt Protein Name	Interleukin-18
UniProt Gene Name	IL18
UniProt Synonym Gene Names	IGIF; IL1F4; IL-18; IFN-gamma-inducing factor; IL-1 gamma
UniProt Entry Name	IL18_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.