

Recombinant Human Interleukin-36 beta, 153aa

(Human IL-36 β ,153aa)

Product Information

Product Name	Cat#	Size
	90127ES10	10 μ g
Recombinant Human Interleukin-36 beta, 153aa (Human IL-36 β ,153aa)	90127ES60	100 μ g
	90127ES76	500 μ g

Product Description

Interleukin-36 Beta Human Recombinant Shipping: Synonyms Interleukin 36 beta, interleukin 1 family member 8, Interleukin-1 homolog 2, IL1F8 (Canonical product IL-1F8a), IL-1F8 (FIL1-eta), Interleukin-1 Superfamily, IL1H2, MGC126880, MGC126882. Introduction Human IL-36b belongs to the IL-1 family that includes IL-1b, IL-1a, IL-1ra, IL-18, IL-36ra (IL1F5), IL-36b (IL1F8), IL-36g (IL1F9), IL-37 (IL1F7) and IL-38 (IL-1F10). The IL-1 family members display a 12 b-strand, b-trefoil configuration, and are thought to have ascended from a mutual ancestral gene. IL-36 beta is known to be actively secreted. Cells expressing IL-36 beta include resting and activated monocytes and B cells. The receptor for IL-36 beta is a blend of IL-1 Rrp2 and IL-1 RAcP.

Product Properties

Synonyms	FIL1 eta, IL-1 eta, IL-1F8, IL-1H2
Accession	Q9NZH7-2
GeneID	27177
Source	E.coli-derived human Interleukin-36 beta protein, Arg5-Glu157.
Molecular Weight	Approximately 17.2 kDa.
AA Sequence	REAAPKSYAI RDSRQMVWVL SGNSLIAAPL SRSIKPVTLLH LIACRDTEFS DKEKGNMVYL GIK GKDLCLF CAEIQQKPTL QLKEKNIMDL YVEKKAQKPF LFFHNKEGST SVFQSVSYPG WFIATSTTSG QPIFLTKERG ITNNTNFYLD SVE
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 97% by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The ED ₅₀ as determined by inducing IL-8 secretion in human preadipocytes is less than 10 ng/ml, corresponding to a specific activity of > 1.0 \times 10 ⁵ IU/mg.
Endotoxin	< 1.0 EU per 1 μ g of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 μ m filtered concentrated solution in 2 \times PBS, pH 7.4. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at \leq -20°C. Further dilutions should be made in appropriate buffered solutions.
Reconstitution	

Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only.