

Recombinant Mouse Interleukin-36B (rm IL-36B/IL1F8)

Synonyms: Interleukin-1 family member 8 (eta), IL1H2, MGC126880.

Introduction: rm 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. Mouse IL-36B/IL-1F8 is a 183 amino acid protein which holds no signal sequence, no prosegment and no potential N-linked glycosylation site(s). Mouse IL-36B like its human homologue is actively secreted. Mouse IL-36B/IL-1F8 shares 61-74% aa homology with human IL-36B/IL-1F8 isoform 2 and rat IL-1F8.

Description: Recombinant mouse IL-36B produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 183 amino acids and having a molecular mass of 21.0kDa. The IL-36B is purified by proprietary chromatographic techniques.

Source: *Escherichia coli*

Physical Appearance: Sterile filtered white lyophilized (freeze-dried) powder.

Formulation: Lyophilized from a 0.2µm filtered concentrated solution in 1x PBS, pH 7.4. The aliquotes of 1µg and 2µg contain Trehalose 5% (w/vol) for better recovery

Solubility: It is recommended to reconstitute the lyophilized rm IL-36B in sterile H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Stability: Lyophilized rm IL-36B although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution it should be stored at 4°C between 2-7days, for future use below -18°C. Please prevent freeze-thaw cycles.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence: MMAFPPQSCV HVLPPKSIQM WEPNHNTMHG SSQSPRNYRV HDSQQMVWVL TGNTLTAVPA SNNVKPVILS LIACRDTEFQ DVKKGKGNLVFL GIKNRNLCFC CVEMEGKPTL QLKEVDIMNL YKERKAQKAF LFYHGIEGST SVFQSVLYPG WFIATSSIER QTIILTHQRG KLVNTNFYIE SEK

Biological Activity: Measured by its binding ability in a functional ELISA to bind recombinant mouse IL-1 Rrp2.

This material is offered for **research only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

<i>small</i>	2 µg	Cat.N°	12349362
<i>medium</i>	10 µg	Cat.N°	12349363

ImmunoTools Excellent Quality - Advantageously priced

Gladiolenweg 2; 26169 Friesoythe; Germany
 phone:+49-(0)4491-400997, fax:+49-(0)4491-400998, info@immunotools.com
www.immunotools.com