

Interleukin-36 Beta 153 a.a Human Recombinant

Item Number	rAP-0533
Synonyms	Interleukin 36 beta, interleukin 1 family member 8 (eta), Interleukin-1 homolog 2, IL1F8 (Canonical product IL-1F8a), IL-1F8 (FIL1-eta), Interleukin-1 Superfamily e, IL1H2, MGC126880, MGC126882.
Description	IL36B 153 a.a. Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 153 amino acids (5-157a.a.) and having a molecular mass of 17.2kDa. The IL36B 153 a.a. Human is purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q9NZH7
Amino Acid Sequence	REAAPKSYAI RDSRQMVVWL SGNSLIAAPL SRSIKPVT LH LIACRDTEFS DKEKGNMVYL GIKGKDLCLF CAEIQ GKPTL QLKEKNIMDL YVEKKAQKPF LFFHNKEGST SVFQSVSYPG WFIATSTTSG QPIFLT KERG ITNNTNFYLD SVE
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized IL36B 153 a.a. Human although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL36B 153 a.a. Human should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.
Formulation and Purity	Lyophilized from a 0.2µm filtered concentrated solution in 1xPBS, pH 7.4. Greater than 97.0% as determined by SDS-PAGE and HPLC analyses.
Application	
Solubility	It is recommended to reconstitute the lyophilized IL36B 153 a.a. Human in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Fully biologically active when compared to standard. The ED50 as measured by its ability to induce IL-8 secretion in human preadipocytes is less than 10ng/ml, corresponding to a specific activity of 10IU/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**