**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for TP728265S

## Recombinant IL-36 beta (Interleukin-36 beta), Human

### Product data:

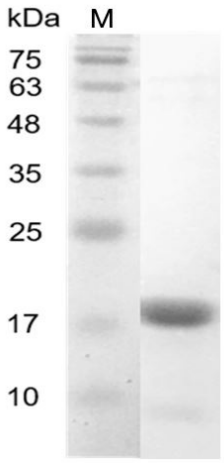
| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Recombinant IL-36 beta (Interleukin-36 beta), Human |
| **Species:** | Human |
| **Expression Host:** | E. coli |
| **Expression cDNA Clone or AA Sequence:** | MREAAPKSYAIRDSRQMVWVLSGNSLIAAPLSRSIKPVTLHLIACRDTEFSDKEKGNMVYLGIKGKDLCLFC AEIQGKPTLQLKEKNIMDLYVEKKAQKPFLFFHNKEGSTSVFQSVSYPGWFIATSTTSGQPIFLTKERGITNN TNFYLDSVE with polyhistidine tag at the C-terminus. |
| **Tag:** | His Tag (C-term) |
| **Predicted MW:** | The protein has a calculated MW of 18.17 kDa. The protein migrates as 18 kDa under reducing condition (SDS-PAGE analysis). |
| **Purity:** | >98% as determined by SDS-PAGE. |
| **Buffer:** | The protein was lyophilized from a 0.2 μm filtered solution containing 1X PBS, pH 7.4. |
| **Bioactivity:** | Measure by its ability to induce IL-8 secretion in human PBMCs. The $ED_{50}$ for this effect is <0.2 ng/mL. |
| **Endotoxin:** | <0.1 EU per 1 μg of the protein by the LAL method. |
| **Reconstitution Method:** | Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile $H_2O$ to a concentration not less than 100 μg/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein. |
| **Applications:** | Cell culture |
| **Storage:** | Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles. |
| **RefSeq:** | NP_775270.1 |
| **Synonyms:** | IL-1F8, IL-1H2, IL-1 eta |

View online »

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2025 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

**Summary:** Interleukin-36 beta (IL-36β) is an 18 kDa cytokine with 154 amino acid residues. IL-36β, the ligand of IL-36R, is expressed in keratinocytes and plays a significant role in inflammatory responses. IL-36β regulates biological functions like the differentiation of T cells. Moreover, IL-36β recruits neutrophils via inducing the expression of cytokines and chemokines, such as IL-17C, granulocyte colony-stimulating factor (G-CSF), IL-8, CXCL-1, and tumor necrosis factor (TNF).

## Product images:




SDS- PAGE analysis of recombinant human IL-36 beta

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2025 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US