

## Product Datasheet

### Human IL-36 gamma (152a.a.) protein (orb107769)

<b>Description</b>	Interleukin-36 (IL-36) is a pro-inflammatory cytokine which plays an important role in the pathophysiology of several diseases. IL-36G, IL-36H, and IL-36D (formerly IL-1F6, IL-1F8, and IL-1F9) are IL-1 family members that signal through the IL-1 receptor family members IL-1Rrp2 (IL-1RL2) and IL-1RAcP. IL-36D is secreted when transfected into 293-T cells and it could constitute part of an independent signaling system analogous to interleukin-1 alpha (IL-1A), beta (IL-1B) receptor agonist and interleukin-1 receptor type I (IL-1R1). Furthermore, IL-36D also can function as an agonist of NF-kappa B activation through the orphan IL-1-receptor-related protein 2. Human IL-36D (152a.a) shares 58 %, 59 %, 68 % and 69 % a.a. sequence identity with mouse, rat, bovine and equine IL-36D, respectively, and 23 - 57% a.a. sequence identity with other family members.
<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	HPLC, SDS-PAGE
<b>Target</b>	IL-36 gamma
<b>Preservatives</b>	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4
<b>Storage</b>	Store at 4°C for up to two weeks. For long term storage, aliquot and store at -20°C, avoid freeze/thaw cycles.
<b>Note</b>	For research use only
<b>Protein Sequence</b>	SMCKPITGTI NDLNQQVWTL QGQNLVAVPR SDSVTPVTVA VITCKYPEAL EQGRGDPIYLGIQNPEMCLY CEKVGEQPTL QLKEQKIMDL YGQPEPVKPF LFYRAKTGRT STLESVAFPDWFIASSKRDQ PIILTSELGK SYNTAFELNI ND
<b>Purity</b>	> 95 % by SDS-PAGE and HPLC analyses
<b>MW</b>	17.0 kDa
<b>Expiration Date</b>	6 months from date of receipt.

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