

重组人白介素36 (IL-36)

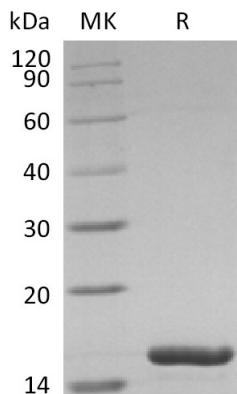
IL-36 ,Human;Recombinant Human Interleukin 36

Cat. No.: MA1415-1 Size: 10µg

Source:	E.coli
Description:	Recombinant Human Interleukin-36 Alpha is produced by our E.coli expression system and the target gene encoding Lys6-Phe158 is expressed.
Accession:	Q9UHA7
Known As:	Interleukin-36 Alpha; FIL1 Epsilon; Interleukin-1 Epsilon; IL-1 Epsilon; Interleukin-1 Family Member 6; IL-1F6; IL36A; FIL1E; IL1E; IL1F6
Predicted Mol Mass:	17.1 KDa
Apparent Mol Mass:	17 KDa, reducing conditions
Endotoxin:	< 1 EU/µg as determined by LAL test.
Formulation:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 6% Trehalose, 5mM EDTA, 0.05% Tween 80, pH7.4.
Reconstitution:	Always centrifuge tubes before opening.Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage:	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Background:	Human Interleukin-36α (IL-36α) is a secreted cytokine that belongs to the Interleukin 1 cytokine family. IL-36α is expressed in the immune system and the fetal brain, but not in other tissues or multiple hematopoietic cell lines. IL-36α is the only IL-1 family member found to be expressed on T-cells. IL-36α and IL-1F8 are involved in the regulation of adipose tissue gene expression. Importantly, IL-36α inhibits PPARγ expression, which may lead to a reduction in adipocyte differentiation suggesting metabolic effects of this cytokine. IL-36α, along with IL-1F8 and IL-1F9, has been shown to act as an agonist by activating the pathway involving NFκB and MAPK in an IL-1Rrp2 dependent manner. This suggest that IL-36α may signal in a similar fashion to IL-1 and IL-18 in having a binding receptor which upon ligation, recruits a second receptor as a signaling component, forming an active heterodimeric receptor complex.

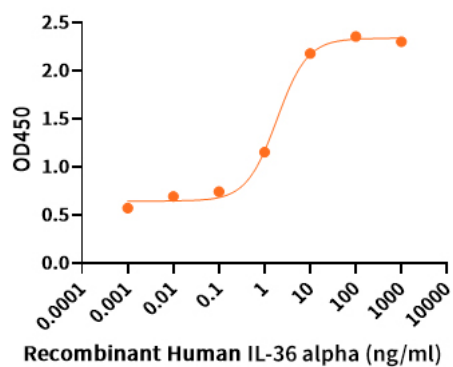


Purity-SDS-PAGE:



Greater than 95% as determined by reducing SDS-PAGE.

Bioactivity-Cell Based Assay:



Measured by its ability to induce IL-8 secretion in A431 human epithelial carcinoma cells. The ED50 for this effect is 1.83 ng/ml. (Regularly tested)

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