Recombinant Murine Interleukin-36 alpha, 153a.a.

Catalog No: #AP60168

Package Size: #AP60168-1 10ug #AP60168-2 100ug #AP60168-3 500ug

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Description

Product Name	Recombinant Murine Interleukin-36 alpha, 153a.a.
Host Species	Escherichia coli.
Purification	> 95 % by SDS-PAGE and HPLC analyses.
Calculated MW	Approximately 17.1kDa, a single non-glycosylated polypeptide chain containing 153 amino acids.
Target Sequence	RAASPSLRHV QDLSSRVWIL QNNILTAVPR KEQTVPVTIT LLPCQYLDTL ETNRGDPTYM GVQRPMSCLF CTKDGEQPVL QLGEGNIMEM YNKKEPVKAS LFYHKKSGTT STFESAAFPG WFIAVCSKGS CPLILTQELG EIFITDFEMI VVH
Formulation	Lyophilized from a 0.2 μm filtered concentrated solution in PBS, 1 mM DTT, 3 % trehalose.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.- 12 months from date of receipt, -20 to -70 °C as supplied.- 1 month, 2 to 8 °C under sterile conditions after reconstitution.- 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Background

Interleukin-36 (IL-36) is a pro-inflammatory cytokine which plays an important role in the pathophysiology of several diseases. IL-36α, IL-36β, and IL-36γ (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-36α is mainly found in skin and lymphoid tissues, but also in fetal brain, trachea, stomach and intestine. It is expressed by monocytes, B and T cells. Notably, IL-36 alpha is the only novel IL-1 family member expressed on T-cells. Recombinant murine interleukin-36 alpha contains 153 amino acids residues which is a single non-glycosylated polypeptide. Specifically, mouse IL-36α shares 83 % a.a. sequence identity with rat IL-36α, 54 oΩ½?60 % with human, rabbit, equine and bovine IL-36α.

Note: This product is for in vitro research use only