

32-1523: mIL36RN Recombinant Protein

Description

Source : Escherichia Coli. IL36RN Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 154 amino acids and having a molecular mass of 17.0kDa. The IL36RN is purified by proprietary chromatographic techniques. IL36RA belongs to the IL-1 family of proteins. IL36RA is produced as a 156 aa protein which holds no signal sequence, no prosegment and no potential N-linked glycosylation site but, IL36RA is secreted as a 17 kDa monomer. Cells known to express IL36Ra/IL1F5 include monocytes, B cells, keratinocytes, dendritic cells/Langerhans cells and gastric fundus Parietal and Chief cells.

Product Info

Amount :	10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
Storage condition :	Lyophilized IL 36RN although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL 36RN should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.
Amino Acid :	VLSGALCFRM KDSALKVLYL HNNQLLAGGL HAEKVIK GEE ISVVPNRALD ASLSPVILGV QGGSQLSCG TEKGPIKLE PVNIMELYLG AKESKSFTFY RRDMLTSSF ESAAYPGWFL CTSPEADQPV RLTQIPEDPA WDAPIITDFYF QQCD

Application Note

It is recommended to reconstitute the lyophilized IL36RN in sterile 18M-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions. Fully biologically active when compared to standard. Measured by its ability to inhibit IL-36a, IL-36b or IL-36g induced IL-6 secretion by NIH-3T3 mouse embryonic fibroblast cells. The ED₅₀ for this effect is typically 0.8-4 µg/ml (corresponding to a specific activity of 250-125 units/mg) in the presence of 15 ng/ml of recombinant mouse IL-36b.

