

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 QGGSQCLSCG TEKGPILKLE PVNIMELYLG AKESKSFTFY RRD MGLTSSF ESAAYPGWFL CTSPEADQPV RLTQIPEDPA WDAPITDFYF QQCD

Application Note

It is recommended to reconstitute the lyophilized IL36RN in sterile 18M-cm H₂O not less than 100µg/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 0.8-4ug/ml (corresponding to a specific activity of 250-125units/mg) in the presence of 15ng/ml of recombinant mouse IL-36b.

