

IL-36 Receptor Antagonist Protein/IL-36RN/IL-1F5 Active Protein | IL-36 active protein

Recombinant Human IL-36 Receptor Antagonist Protein/IL-36RN/IL-1F5

CATALOG #
AAA177938

HOST
E Coli

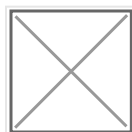
PRODUCT SYNONYMS

IL-36 Receptor Antagonist Protein/IL-36RN/IL-1F5; Recombinant Human IL-36 Receptor Antagonist Protein/IL-36RN/IL-1F5; Interleukin-36 Receptor Antagonist Protein; FIL1 Delta; IL-1-Related Protein 3; IL-1RP3; Interleukin-1 HY1; IL-1HY1; Interleukin-1 Delta; IL-1 Delta; Interleukin-1 Family Member 5; IL-1F5; Interleukin-1 Receptor Antagonist Homolog 1; IL-1ra Homolog 1; Interleukin-1-Like Protein 1; IL-1L1; IL36RN; FIL1D; IL1F5; IL1HY1; IL1L1; IL1RP3; IL-36 active protein

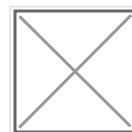
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by reducing SDS-PAGE
Form/Format	Lyophilized from a 0.2um filtered solution of PBS, pH7.4.
Sequence	Val2-Asp15 5
Species	Human
Endotoxin	<1.0EU per ug as determined by the LAL method.
Protein Construction	Recombinant Human Interleukin-36 Receptor Antagonist Protein is produced by our E Coli expression system and the target gene encoding Val2-Asp155 is expressed.
Activity	Measured by its ability to induce IL-8 secretion in A431 human epithelial carcinoma cells. The ED50 for this effect is 12.0ng/ml.
Preparation and Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months. This product is provided as lyophilized powder which is shipped with ice packs.

IMAGES



Bioactivity



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for IL-36 active protein	Human Interleukin-36 Receptor Antagonist (IL-36RN) is a secreted protein which belongs to the Interleukin 1 cytokine family (IL-1 family). IL-36RN is predominantly expressed in keratinocytes but not in fibroblasts, endothelial cells or melanocytes. IL-36RN is also detected in the spleen, brain leukocyte and macrophage cell types. Increased in lesional psoriasis skin. IL-36RN is a highly and a specific antagonist of the IL-1 receptor-related protein 2-mediated response to Interleukin 1 family member 9 (IL1F9). Dysregulated expression of novel agonistic and antagonistic IL-1 family member ligands can promote cutaneous inflammation, revealing potential novel targets for the treatment of inflammatory skin disorders. Human and mouse IL-36RN share 90% sequence identity.
Product Categories/Family for IL-36 active protein	immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912432
NCBI GeneID	26525
NCBI Accession #	NP_036407.1
NCBI GenBank Nucleotide #	NM_012275.2
UniProt Accession #	Q9UBH0; Q56AT9; Q7RTZ6; A8K2I4
Molecular Weight	16,962 Da
NCBI Official Full Name	interleukin-36 receptor antagonist protein
NCBI Official Synonym Full Names	interleukin 36 receptor antagonist
NCBI Official Symbol	IL36RN
NCBI Official Synonym Symbols	FIL1; FIL1D; IL1F5; IL1L1; PSORP; IL1HY1; IL1RP3; IL36RA; IL-36Ra; PSORS14; FIL1(Delta)
NCBI Protein Information	interleukin-36 receptor antagonist protein
UniProt Protein Name	Interleukin-36 receptor antagonist protein
UniProt Gene Name	IL36RN
UniProt Synonym Gene Names	FIL1D; IL1F5; IL1HY1; IL1L1; IL1RP3; IL-1RP3; IL-1HY1; IL-1 delta; IL-1F5; IL-1ra homolog 1; IL-1L1
UniProt Entry Name	I36RA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/il-36-receptor-antagonist-protein-il-36rn-il-1f5/177938>