Interleukin-36 Gamma (IL36G) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Interleukin-36 gamma (Il36g), Recombinant Protein
Full Product Name	Recombinant Mouse Interleukin-36 gamma (Il36g)
Product Gene Name	Il36g recombinant protein
Product Synonym Gene Name	Il36g
Sequence	MFSKHPFSTH ISGRETPDFG EVFDLDQQVW IFRNQALVTV PRSHRVTPVS VTILPCKYPE SLEQDKGIAI YLGIQNPDKC LFCKEVNGHP TLLLKEEKIL DLYHHPEPMK PFLFYHTRTG GTSTFESVAF PGHYIASSKT GNPIFLTSKK GEYYNINFNL DIKS
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	18,733 Da
Sequence Positions	1-164, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q8R460
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Il36g recombinant protein	MBS1337974 is a recombinant protein targeting Il36g. Also known as Recombinant Mouse Interleukin-36 gamma (Il36g). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Il36g recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Il36g. It may not necessarily be applicable to this product.

NCBI GI #	25008588
NCBI GeneID	215257
NCBI Accession #	Q8R460.1
UniProt Primary Accession #	Q8R460
UniProt Secondary Accession #	Q14BB6
UniProt Related Accession #	Q8R460

NCBI Official Full Name	Interleukin-36 gamma
NCBI Official Synonym Full Names	interleukin 1 family, member 9
NCBI Official Symbol	Il1f9
NCBI Official Synonym Symbols	Il36g
UniProt Protein Name	Interleukin-36 gamma
UniProt Synonym Protein Names	Interleukin-1 family member 9; IL-1F9
Protein Family	Interleukin
UniProt Gene Name	Il36g
UniProt Synonym Gene Names	Il1f9; IL-1F9
NCBI Protein Information	interleukin-36 gamma
UniProt Comments for Il36g	Functions as an agonist of NF-kappa B activation through the orphan IL-1-receptor-related protein 2/IL1RL2. Part of the IL-36 signaling system that is thought to be present in epithelial barriers and to take part in local inflammatory response; similar to the IL-1 system with which it shares the coreceptor IL1RAP (). Seems to be involved in skin inflammatory response by acting on keratinocytes, dendritic cells and indirectly on T-cells to drive tissue infiltration, cell maturation and cell proliferation. May play a role in proinflammatory responses during particular neutrophilic airway inflammation. May be involved in the innate immune response to fungal pathogens. Induces the production of proinflammatory cytokines in bone marrow-derived dendritic cells (BMDCs), including IL-12, Il-1 beta, IL-6, TNF-alpha and IL-23. Involved in dendritic cell maturation by stimulating the surface expression of CD80, CD86 and MHC class II. Induces the production of IFN-gamma, IL-4 and IL-17 by cultured CD4+ T-cells and splenocytes.
Research Articles on Il36g	**1.** skin injury increases IL-36gamma via the activation of TLR3-SLUG-VDR axis and IL-36gamma induces REG3A to promote wound healing
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