Interleukin-23 Subunit Alpha (IL23A) Pig Recombinant Protein

PRODUCT OVERVIEW

Product Name	Interleukin-23 subunit alpha (IL23A), Recombinant Protein
Full Product Name	Recombinant Pig Interleukin-23 subunit alpha (IL23A)
Product Gene Name	IL23A recombinant protein
Product Synonym Names	Interleukin-23 subunit p19 (IL-23p19)
Sequence	RAVPEGSSPA WAQGQQLSQQ LCTLAWTAHL PMGHVDLPRE EGDDETTSEV PHIQCGDGCD PQGLRDNSQS CLQRIHQGLV FYEKLLGSDI FTGEPSLHPD GSVGQLHASL LGLRQLLQPE GHHWETEQTP SPSPSQPWQR LLLRLKILRS LQAFVAVAAR VFAHGAATLS Q
Host	Cell Free Expression
Form/Format	Liquid containing glycerol
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.
Molecular Weight	21,132 Da
Sequence Positions	23-193aa, Full Length of Mature Protein
3D Structure	ModBase 3D Structure for Q9N2H9
Species	Sus scrofa (Pig)
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Product Categories/Family for IL23A recombinant protein	Cancer
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for IL23A recombinant protein	This is a recombinant transmembrane protein expressed in a cell-free expression system.
Other Notes	Small volumes of IL23A 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.
Searchable Terms for IL23A purchase	MBS9018456 is a recombinant protein targeting IL23A. Also known as Recombinant Pig Interleukin-23 subunit alpha (IL23A). Host: Cell Free Expression.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL23A. It may not necessarily be applicable to this product.

NCBI GI #	194332506
NCBI GeneID	100155546
NCBI Accession #	NP_001123708.1
UniProt Primary Accession #	Q9N2H9

UniProt Related Accession #	Q9N2H9
GenBank Nucleotide #	NM_001130236.1
NCBI Official Full Name	interleukin-23 subunit alpha
NCBI Official Symbol	IL23A
NCBI Official Synonym Symbols	SGRF; il23p19
UniProt Protein Name	Interleukin-23 subunit alpha
UniProt Synonym Protein Names	Interleukin-23 subunit p19; IL-23p19
Protein Family	Interleukin
UniProt Gene Name	IL23A
UniProt Synonym Gene Names	SGRF; IL-23 subunit alpha; IL-23-A; IL-23p19
NCBI Protein Information	interleukin-23 subunit alpha
UniProt Comments for IL23A	Associates with IL12B to form the IL-23 interleukin, a heterodimeric cytokine which functions in innate and adaptive immunity. IL-23 may constitute with IL-17 an acute response to infection in peripheral tissues. IL-23 binds to a heterodimeric receptor complex composed of IL12RB1 and IL23R, activates the Jak-Stat signaling cascade, stimulates memory rather than naive T-cells and promotes production of proinflammatory cytokines. IL-23 induces autoimmune inflammation and thus may be responsible for autoimmune inflammatory diseases and may be important for tumorigenesis ().
Research Articles on IL23A	**1.** These results provide genetic information about both swine IL-23 the IL-23 receptor alpha (IL-23Ralpha) and IL-12 receptor beta1 (IL-12Rbeta1), which allows for better understanding of interleukin systems involved in pig immunity.
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