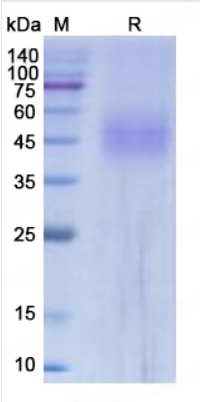
CDw210a/IL10RA Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	CDw210a/IL10RA, Recombinant Protein
Full Product Name	Recombinant Human CDw210a/IL10RA, C-His
Product Gene Name	CDw210a/IL10RA recombinant protein
Product Synonym Names	IL-10 receptor subunit alpha; IL-10R1; Interleukin-10 receptor subunit alpha; Interleukin-10 receptor subunit 1; CD210; IL10RA; CDw210a; IL-10R subunit alpha; IL-10R subunit 1; IL10R; IL-10RA
Host	Mammalian cells
Form/Format	Lyophilized from a solution in PBS pH7.4, 1mM EDTA, 4% Trehalose, 1% Mannitol.
Purity/Purification	>90% as determined by SDS-PAGE
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for one week. Store at -20 to -80 degree C for twelve months from the date of receipt.
Molecular Weight	63,003 Da
Sequence Positions	Met1-Asn235
Chromosome Location	Chromosome: 11; NC_000011.9 (117857106..117872198). Location: 11q23
OMIM	146933
3D Structure	ModBase 3D Structure for Q13651
Species	Human
Reconstitution	Reconstitute in sterile water for a stock solution.
Product Categories/Family for CDw210a/IL10RA recombinant protein	Recombinant Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for CDw210a/IL10RA recombinant protein	SDS-PAGE (SDS), Western Blot (WB), ELISA (EIA), Immunogen
Related Product Information for CDw210a/IL10RA recombinant protein	MBS1574652 is a recombinant protein targeting CDw210a/IL10RA. Also known as Recombinant Human CDw210a/IL10RA, C-His. Host: Mammalian cells.
Other Notes	Small volumes of CDw210a/IL10RA 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.



SDS-Page of CDw210a/IL10RA recombinant protein
SDS PAGE for recombinant Human CDw210a / IL10RA

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDw210a/IL10RA. It may not necessarily be applicable to this product.

NCBI GI #	222136575
NCBI GeneID	3587
NCBI Accession #	NP_001549.2
UniProt Primary Accession #	Q13651
UniProt Secondary Accession #	A8K6I0; B0YJ27
UniProt Related Accession #	Q13651
GenBank Nucleotide #	NM_001558.3
NCBI Official Full Name	interleukin-10 receptor subunit alpha
NCBI Official Synonym Full Names	interleukin 10 receptor, alpha
NCBI Official Symbol	IL10RA
NCBI Official Synonym Symbols	CD210; IL10R; CD210a; CDW210A; HIL-10R; IL-10R1
UniProt Protein Name	Interleukin-10 receptor subunit alpha
UniProt Synonym Protein Names	CDw210a; Interleukin-10 receptor subunit 1
UniProt Gene Name	IL10RA
UniProt Synonym Gene Names	IL10R; IL-10 receptor subunit alpha; IL-10R subunit alpha; IL-10RA; IL-10R subunit 1; IL-10R1
UniProt Entry Name	I10R1_HUMAN
NCBI Protein Information	interleukin-10 receptor subunit alpha; IL-10RA; IL-10R subunit 1; IL-10R subunit alpha; IL-10 receptor subunit alpha; interleukin-10 receptor subunit 1; interleukin-10 receptor alpha chain
NCBI Summary for CDw210a/IL10RA	The protein encoded by this gene is a receptor for interleukin 10. This protein is structurally related to interferon receptors. It has been shown to mediate the immunosuppressive signal of interleukin 10, and thus inhibits the synthesis of proinflammatory cytokines. This receptor is reported to promote survival of progenitor myeloid cells through the insulin receptor substrate-2/PI 3-kinase/AKT pathway. Activation of this receptor leads to tyrosine phosphorylation of JAK1 and TYK2 kinases. Two transcript variants, one protein-coding and the other not protein-coding, have been found for this gene. [provided by RefSeq, Jan 2009]

UniProt Comments for CDw210a/IL10RA	IL10RA: a receptor for interleukin 10 structurally related to interferon receptors. Mediates the immunosuppressive signal of interleukin 10, and thus inhibits the synthesis of proinflammatory cytokines. This receptor is reported to promote survival of progenitor myeloid cells through the insulin receptor substrate-2/PI 3-kinase/AKT pathway. Activation of this receptor leads to tyrosine phosphorylation of JAK1 and TYK2 kinases. Protein type: Membrane protein, integral; Receptor, cytokine Chromosomal Location of Human Ortholog: 11q23 Cellular Component: plasma membrane; integral to membrane Molecular Function: signal transducer activity; protein binding; interleukin-10 binding; interleukin-10 receptor activity; receptor activity Biological Process: cytokine and chemokine mediated signaling pathway; response to lipopolysaccharide Disease: Inflammatory Bowel Disease 28, Autosomal Recessive
Research Articles on CDw210a/IL10RA	**1.** The dynamic genome-wide transcriptional responses were nearly identical at early time points following stimulation (when STAT3 is active in response to both IL-6 and IL-10) but divergent at later times (when STAT3 is active only in response to IL-10).
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