

Recombinant Human Interleukin 10 Receptor, Alpha, Fc Chimera

Cat. No. IL10RA-492H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human interleukin 10 receptor, alpha encoding the signal peptide of IL-10 receptor alpha chain was fused to the extracellular domain of human CD209L (aa 1-328), which was in turn fused to the Fc region of human IgG1 (aa 93-330). The chimeric protein was expressed in modified <i>human 293 cells</i> .
Species	Human
Source	HEK293
ProteinLength	1-328 a.a.
Description	Interleukin 10 Receptor, Alpha, a member of the 'SIGN' family of C-type lectin receptors, is a type II membrane protein that is expressed on liver sinusoidal endothelial cells (LSEC), specialized capillary vessels that are involved in antigen presentation and hepatic immune surveillance. CD209L is also expressed by endothelial cells associated with lymph nodes and in the human lung on type II alveolar cells and endothelial cells.
Amino Acid Sequence	HGTELPSPPSKLQVSKVPSSLSQEQSEQDAIYQNLTLKAAVGELSEKSKLQEIYQELTLKAAVGELPEKSKLQEIYQELTRLKAAVGELPEKSKLQEIYQELTRLKAAVGELPEKSKLQEIYQELTELKAAVGELPEKSKLQEIYQELTQLKAAVGELPDQSKQQQIYQELTDLKTAFERLCRHCPKDWTFQGNCFMSNSQRNWHDSVTACQEVRAQLVVIKTAEEQNFLQLQTSRSNRFSWMGLSDLNQEGTWQW

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

VDGSPLSPSFQRYWNSGEPNNSGNEDCAEFSGSGWNDNRCDVDNYWICKKPAAC
FRDGIPKVDKKVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVT
CVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLN
GKEYKCRVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGF
YPSDIAVEWESNGQPENNYKTTTPVLDSGSEFLYSLKLTVDKSRWQQGNVFCSCV
MHEALHNHYTQKSLSLSPGK.

Molecular Mass	Interleukin 10 Receptor, Alpha Chimera migrates as a broad band between 70 and 85 kDa in SDS-PAGE due to post-translation modifications, in particular glycosylation.
pI	Interleukin 10 Receptor, Alpha Chimera separates into a number of isoforms in 2D PAGE due to post-translational modifications, in particular glycosylation. The pI range is between 5.4 and 6.5.
% Carbohydrate	Interleukin 10 Receptor, Alpha Chimera consists of 5-25% carbohydrate by weight.
Glycosylation	Interleukin 10 Receptor, Alpha Chimera has N-linked and may have O-linked oligosaccharides.
Purity	>95%, as determined by SDS-PAGE and visualized by silver stain.
Formulation	The product is supplied as a 200ug/ml solution in sterile phosphate-buffered saline.
Storage	Short-term storage at 4°C is recommended, and longer-term storage of aliquots at -18 to -20°C. Repeated freeze thawing is not recommended.

GENE INFORMATION

Gene Name	IL10RA interleukin 10 receptor, alpha [Homo sapiens]
Synonyms	IL10RA; interleukin 10 receptor, alpha; IL10R; CDW210A; HIL-10R; IL-

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	10R1;Interleukin-10 receptor alpha chain;IL-10R-A; interleukin 10 receptor, alpha; CDw210a antigen
Gene ID	3587
mRNA Refseq	NM_001558
Protein Refseq	NP_001549
UniProt ID	Q13651
Chromosome Location	11q23
MIM	146933
Pathway	Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway
Function	interleukin-10 receptor activity; protein binding; receptor activity

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on 1j7v.



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