FCRL4 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	FCRL4, Lysate
Full Product Name	Human FCRL4 Protein Lysate
Product Gene Name	FCRL4 lysate
Product Synonym Names	FCRL4; CD307d; FCRH4; IGFP2; IRTA1
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	57kDa
OMIM	605876
3D Structure	ModBase 3D Structure for Q96PJ5
Related Product Information for FCRL4 lysate	Human FCRL4 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of FCRL4 lysate 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 FCRL4 purchase	MBS8411692 is a lysate targeting FCRL4. Also known as Human FCRL4 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FCRL4. It may not necessarily be applicable to this product.

NCBI GI #	14550416
NCBI GeneID	83417
NCBI Accession #	NP_112572
UniProt Primary Accession #	Q96PJ5
UniProt Related Accession #	Q96PJ5
GenBank Nucleotide #	NM_031282
NCBI Official Full Name	Fc receptor-like protein 4
NCBI Official Synonym Full Names	Fc receptor like 4
NCBI Official Symbol	FCRL4
NCBI Official Synonym Symbols	FCRH4; IGFP2; IRTA1; CD307d
UniProt Protein Name	Fc receptor-like protein 4
UniProt Synonym Protein Names	Fc receptor homolog 4; FcRH4; IFGP family protein 2; hIFGP2; Immune receptor translocation-associated protein 1
Protein Family	Fc receptor-like protein

UniProt Gene Name	FCRL4
UniProt Synonym Gene Names	FCRH4; IFGP2; IRTA1
UniProt Entry Name	FCRL4_HUMAN
NCBI Protein Information	Fc receptor-like protein 4
NCBI Summary for FCRL4	This gene encodes a member of the immunoglobulin receptor superfamily and is one of several Fc receptor-like glycoproteins clustered on the long arm of chromosome 1. The encoded protein has four extracellular C2-type immunoglobulin domains, a transmembrane domain and a cytoplasmic domain that contains three immune-receptor tyrosine-based inhibitory motifs. This protein may play a role in the function of memory B-cells in the epithelia. Aberrations in the chromosomal region encoding this gene are associated with non-Hodgkin lymphoma and multiple myeloma. [provided by RefSeq, Apr 2009]
UniProt Comments for FCRL4	FCRL4: May function as an inhibitor of the B-cell receptor signaling. May function in the B-cell-mediated immune response. A chromosomal aberration involving FCRL4 is found in non-Hodgkin lymphoma (NHG). Translocation t(1;1)(p36.3; q21.1-2). A chromosomal aberration involving FCRL4 is found in multiple myeloma (MM). Translocation t(1;14)(q21;q32) that forms a FCRL4-IGHA1 fusion protein. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 1q21 Cellular Component: integral to membrane; plasma membrane Molecular Function: protein binding Biological Process: immune system process
Research Articles on FCRL4	**1.** We conclude that these activated B cells are a component of the local autoimmune response, and through their RANKL expression, can contribute to joint destruction. Furthermore, their expression of FcRL4 and their enrichment in the IgA isotype points towards a potential role for these cells in the link between mucosal and joint inflammation.
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