FCER1A Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	FCER1A, Lysate
Full Product Name	Human FCER1A Protein Lysate
Product Gene Name	FCER1A lysate
Product Synonym Names	FCER1A; FCE1A; FcERI
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	23.4kDa (203aa) confirmed by MALDI-TOF
OMIM	147140
3D Structure	ModBase 3D Structure for P12319
Related Product Information for FCER1A lysate	Human FCER1A 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 FCER1A 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 FCER1A purchase	MBS8411668 is a lysate targeting FCER1A. Also known as Human FCER1A Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FCER1A. It may not necessarily be applicable to this product.

NCBI GI #	4503675
NCBI GeneID	2205
NCBI Accession #	NP_001992
UniProt Primary Accession #	P12319
UniProt Related Accession #	P12319
GenBank Nucleotide #	NM_002001
NCBI Official Full Name	high affinity immunoglobulin epsilon receptor subunit alpha
NCBI Official Synonym Full Names	Fc fragment of IgE receptor Ia
NCBI Official Symbol	FCER1A
NCBI Official Synonym Symbols	FCE1A; FcERI
UniProt Protein Name	High affinity immunoglobulin epsilon receptor subunit alpha
UniProt Synonym Protein Names	Fc-epsilon RI-alpha; FcERI; IgE Fc receptor subunit alpha

Protein Family	High affinity immunoglobulin epsilon receptor
UniProt Gene Name	FCER1A
UniProt Synonym Gene Names	FCE1A; FcERI
UniProt Entry Name	FCERA_HUMAN
NCBI Protein Information	high affinity immunoglobulin epsilon receptor subunit alpha
NCBI Summary for FCER1A	The immunoglobulin epsilon receptor (IgE receptor) is the initiator of the allergic response. When two or more high-affinity IgE receptors are brought together by allergen-bound IgE molecules, mediators such as histamine that are responsible for allergy symptoms are released. This receptor is comprised of an alpha subunit, a beta subunit, and two gamma subunits. The protein encoded by this gene represents the alpha subunit. [provided by RefSeq, Aug 2011]
UniProt Comments for FCER1A	Binds to the Fc region of immunoglobulins epsilon. High affinity receptor. Responsible for initiating the allergic response. Binding of allergen to receptor-bound IgE leads to cell activation and the release of mediators (such as histamine) responsible for the manifestations of allergy. The same receptor also induces the secretion of important lymphokines.
Research Articles on FCER1A	**1.** Autoreactive CD4(+) T cells that target FcepsilonRIalpha were detected in most subjects with chronic spontaneous urticaria, with a cytokine secretion profile more typical of a TH1-cell response. Our findings suggest that measurement of T-cell as well as autoantibody responses to FcepsilonRIalpha could improve diagnostic accuracy in subjects with chronic spontaneous urticaria .
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/lysate/fcer1a/8411668