SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Membrane Protein Human HLA-F (Major histocompatibility complex, class I, F)

Full Length

Cat. No.: **MPC3954K**
This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human HLA-F membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
HLA-F

Protein Length
Full length

Protein Class
Immunity

TMD
1

Sequence
MAPRSLLLLLSGALALTDTWAGSHSLRYFSTAVSRPGRGEPRYIAVEYVD
DTQFLRFDSDAAIPRMEPREPWVEQEGPQYWEWTTGYAKANAQTDRVALR
NLLRRYNQSEAGSHTLQGMNGCDMGPDGRLLRGYHQHAYDGKDYISLNED
LRSWTAADTVAQITQRFYEAEEYAEEFRTYLEGECLELLRRYLENGKETL
QRADPPKAHVAHHPISDHEATLRCWALGFYPAEITLTWQRDGEEQTQDTE
LVETRPAGDGTFQKWAAVVVPPGEEQRYTCHVQHEGLPQPLILRWEQSPQ
PTIPIVGIVAGLVVLGAVVTGAVVAAVMWRKKSSDRNRGSYSQAAV

Product Description

Expression Systems
HEK293

Tag
Based on specific requirements

Protein Format
Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

© Creative Biolabs All Rights Reserved

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

HLA-F

Full Name

Major histocompatibility complex, class I, F

Introduction

This gene belongs to the HLA class I heavy chain paralogues. It encodes a non-classical heavy chain that forms a heterodimer with a beta-2 microglobulin light chain, with the heavy chain anchored in the membrane. Unlike most other HLA heavy chains, this molecule is localized in the endoplasmic reticulum and Golgi apparatus, with a small amount present at the cell surface in some cell types. It contains a divergent peptide-binding groove, and is thought to bind a restricted subset of peptides for immune presentation. This gene exhibits few polymorphisms. Multiple transcript variants encoding different isoforms have been found for this gene. These variants lack a coding exon found in transcripts from other HLA paralogues due to an altered splice acceptor site, resulting in a shorter cytoplasmic domain.

Alternative Names

HLA-F; HLAF; CDA12; HLA-5.4; HLA-CDA12; HLA class I histocompatibility antigen, alpha chain F; HLA F antigen; MHC class I antigen F; leukocyte antigen F; Major histocompatibility complex, class I, F

Gene ID

3134

UniProt ID

P30511

SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
© Creative Biolabs All Rights Reserved