

HLA-F, 22-305aa, Human, His tag, E.coli

Cat.NO.: TP02463

3th Edition

Synonyms:HLA class I histocompatibility antigen, alpha chain F isoform 1, CDA12, HLA-5.4, HLA-CDA12, HLAF

Description:HLA class I histocompatibility antigen, alpha chain F isoform 1 precursor, also known as HLA-F, is member of the MHC family that are specifically involved in the presentation of antigens to the T cell receptor. There are two classes of HLA antigens. HLA-F, belong to the Class I molecules. Class I molecules are expressed in nearly all cells and play a central role in the immune system by presenting peptides derived from the endoplasmic reticulum. Recombinant human HLA-F, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

Molecular Weight:35.1 kDa (307aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSGSHSLRYFSTAVSRPGRGEPRIYAVEYVDDTQFLRFDSDAaiprMEPREPW
VEQEGPQYWEWTTGYAKANAQDRVALRNLLRRYNQSEAGSHTLQGMNGCDMGPdGRLLRGYHQHAYDGKDYI
SLNEDLRSWTAADTVAQITQRFYEAEEYAEFRTYLEGECELLRRYLENGKETLQRADPPKAHVAAHHPISDHEATL
RCWALGFYPAEITLTWQRDGEEQTQDTELVETRPAGDGTfQKWAavvVPPGEEQRYTCHVQHEGLPQPLILRWE
QSPQPTIPI

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.