

# Product datasheet for AR51552PU-N

### HLA class I alpha F / HLA-F (22-305, His-tag) Human Protein

#### **Product data:**

Product Type:	Recombinant Proteins
Description:	HLA class I alpha F / HLA-F (22-305, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGS GSHSLRY FSTAVSRPGR GEPRYIAVEY VDDTQFLRFD SDAAIPRMEP REPWVEQEGP QYWEWTTGYA KANAQTDRVA LRNLLRRYNQ SEAGSHTLQG MNGCDMGPDG RLLRGYHQHA YDGKDYISLN EDLRSWTAAD TVAQITQRFY EAEEYAEEFR TYLEGECLEL LRRYLENGKE TLQRADPPKA HVAHHPISDH EATLRCWALG FYPAEITLTW QRDGEEQTQD TELVETRPAG DGTFQKWAAV VVPPGEEQRY TCHVQHEGLP QPLILRWEQS PQPTIPI
Tag:	His-tag
Predicted MW:	35.1 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant Human HLA-F, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP 001091948</u>
Locus ID:	3134
UniProt ID:	<u>P30511</u>
Cytogenetics:	6p22.1
Synonyms:	HLA F antigen, Leukocyte antigen F, CDA12, HLA-5.4, HLAF



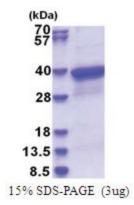
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#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

	HLA class l alpha F / HLA-F (22-305, His-tag) Human Protein – AR51552PU-N
Summary:	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. [provided by RefSeq, Jul 2008]
Protein Families	Transmembrane
Protein Pathway	<ul> <li>Allograft rejection, Antigen processing and presentation, Autoimmune thyroid disease, Cell adhesion molecules (CAMs), Endocytosis, Graft-versus-host disease, Type I diabetes mellitus, Viral myocarditis</li> </ul>

## Product images:



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