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## Product Data Sheet

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Product Name: HLA-F Human  
 Cat. No.: GP23653  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CDA12; HLA-5.4; HLA-CDA12; HLA-F; HLA class I histocompatibility antigen; alpha chain F; HLA F antigen; Leukocyte antigen F; MHC class I antigen F; HLA-F.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSGSHSLRY FSTAVSRPGR GEPYIAVEY VDDTQFLRFD SDAAIPRMEP REPWVEQEGP QYWEWTTGYA KANAQTRVA LRNLLRRYNQ SEAGSHTLQG MNGCDMGPDG RLLRGYHQHA YDGKDYISLN EDLRSWTAAD TVAQITQRFY EAEYAEFR TYLEGECELE LRRYLENGKE TLQRADPPKA HVAHHPISDH EATLRCWALG FYPAEITLTW QRDGEEQTQD TELVETRPAG DGTFQKWA AV VPPGEEQRY TCHVQHEGLP QPLILRWEQS PQPTIPI.		
Formulation	HLA-F protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl 20% glycerol and 1mM DTT.		

### Introduction

Major Histocompatibility Complex Class I F (HLA-F) belongs to the MHC family which takes part in the presentation of antigens to the T cell receptor. HLA-F is a member of the class I molecules which are expressed in virtually all cells. There are 2 classes of HLA antigens. Class I molecules takes an important part in the immune system by presenting peptides derived from the endoplasmic reticulum.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

**Caution: Product has not been fully validated for medical applications. For research use only.**

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HLA-F Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 307 amino acids (22-305a.a) and having a molecular mass of 35.1kDa. HLA-F is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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