

## Major Histocompatibility Complex Class I F Human Recombinant

|  |   |
|--|---|
| <b>Item Number</b>                       | rAP-3460  |
| <b>Synonyms</b>                          | 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.  |
| <b>Description</b>                       | 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.   |
| <b>Uniprot Accession Number</b>          | P30511  |
| <b>Amino Acid Sequence</b>               | MGSSHHHHH SSGLVPRGSH MSGSHSLRY FSTAVSRPGR GEPRYIAVEY VDDTQFLRFD<br>SDAAIPRMEP REPWVEQEGP QYWEWTTGYA KANAQTDRVA LRNLLRRYNQ SEAGSHTLQG<br>MNGCDMGPDG RLLRGYHQHA YDGKDYISLN EDLRSWTAAD TVAQITQRFY EAEYAEFR TY-<br>LEGECLLEL LRRYLENGKE TLQRADPPKA HVAHHPISDH EATLRCWALG FYPAEITLW QRDGEEQTQD<br>TELVETRPAG DGTFFQKWAAY VVPPGEEQRY TCHVQHEGLP QPLILRWEQS PQPTIPI. |
| <b>Source</b>                            | Escherichia Coli.   |
| <b>Physical Appearance and Stability</b> | Sterile Filtered colorless solution. 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.   |
| <b>Formulation and Purity</b>            | HLA-F protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl 20% glycerol and 1mM DTT. Greater than 90.0% as determined by SDS-PAGE.   |
| <b>Application</b>                       |   |
| <b>Solubility</b>                        |   |
| <b>Biological Activity</b>               |   |
| <b>Shipping Format and Condition</b>     | Lyophilized powder at room temperature.   |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**