

**HLA-C, 25-308aa, Human, His tag, E.coli**

**Cat.NO.: TP02458**

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3th Edition

**Synonyms:**HLA class I histocompatibility antigen, Cw-1 alpha chain, D6S204, HLA-JY3, HLC-C, PSORS1

**Description:**HLA-C belongs to the HLA class I heavy chain paralogues. This class I molecule is a heterodimer consisting of a heavy chain and a light chain (beta-2 microglobulin). The heavy chain is anchored in the membrane. Class I molecules play a central role in the immune system by presenting peptides derived from endoplasmic reticulum lumen. They are expressed in nearly all cells. Recombinant human HLA-C protien, fused to His-tag at Nterminus, 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:**34.9 kDa (307aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSCSHSMRYFDTAVSRPGRGEPFRFISVGYVDDTQFVRFDSDAASPRGEPRAP  
WVEQEGPEYWDRETQKYKRQAQADRVSLRNLRGYYNQSEDSHTLQRMSGCDLGPDGRLLRGYDQSAYDGKD  
YIALNEDLRSWTAADTAAQITQRKLEAARAAEQLRAYLEGTCVEWLRRYLENGKETLQRAEPPKTHVTHHPLSDHE  
ATLRCWALGFYPAEITLTWQRDGEDQTQDTELVETRPAGDGTQKWAAVVPSGQEQRYSCHMQHEGLQEPLTL  
SWEPSQPTIPI

**Purity:**> 95% by HPLC

**Concentration:**0.5 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.