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Recombinant human HLA-C protein

Catalog Number: ATGP2222

PRODUCT INFORMATION

Expression system
E.coli

Domain
25-308aa

UniProt No.
P10321

NCBI Accession No.
NP_002108

Alternative Names
HLA class I histocompatibility antigen Cw-1 alpha chain, HLA class I histocompatibility antigen, Cw-1 alpha chain, D6S204, HLA-JY3, HLC-C, PSORS1

PRODUCT SPECIFICATION

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

Concentration
0.5mg/ml (determined by Bradford assay)

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

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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 N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

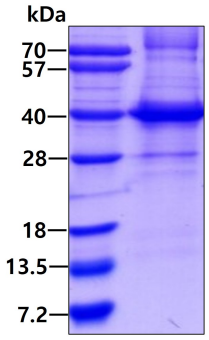
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General References

Xu Y., et al. (2009) Tissue Antigens. 74:453-455
Zou H.Y., et al. (2009) Tissue Antigens. 74:455-456

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.