9051 Mira Mesa Blvd, #910094
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HLA-C Human

Major Histocompatibility Complex Class I C Human Recombinant
RCP1023

Product Overview

Name	HLA-C Human

Description

Major Histocompatibility Complex Class I C Human Recombinant

Accession (Primary)	NP_002108

Synonyms

Major Histocompatibility Complex Class I- C, D6S204, HLA-JY3, PSORS1, HLC-C, HLA Class I Histocompatibility Antigen C Alpha Chain, Human Leukocyte Antigen-C Alpha Chain, Major Histocompatibility Antigen HLA-C, MHC Class I Antigen Heavy Chain HLA-C.

Introduction

Major Histocompatibility Complex Class I C (HLA-C) belongs to the HLA class I heavy chain paralogues. The HLA-C (class I molecule) is a heterodimer comprised of a heavy chain and a light chain (beta-2 microglobulin). The heavy chain is anchored in the membrane. Class I molecules have a key role in the immune system by presenting peptides derived from endoplasmic reticulum lumen. Class I molecules are expressed in virtually all cells.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

The HLA-C solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 20% glycerol.

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.

Purity

Greater than 90% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS CSHSMRY FDTAVSRPGR GEPRFISVGY VDDTQFVRFD SDAASPRGEP RAPWVEQEGP EYWDRETQKY KRQAQADRVS LRNLRGYYNQ SEDGSHTLQR MSGCDLGPDG RLLRGYDQSA YDGKDYIALN EDLRSWTAAD TAAQITQRKL EAARAAEQLR AYLEGTCVEW LRRYLENGKE TLQRAEPPKT

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HVTHHPLSDH EATLRCWALG FYPAEITLTW QRDGEDQTQD TELVETRPAG DGTFQKWAAV VVPSGQEQRY TCHMQHEGLQ EPLTLSWEPS SQPTIPI

Precautions

HLA-C Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (NP_002108)