
Product Data Sheet

Product Name: HLA-C Human
 Cat. No.: GP23646
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSCSHSMRY FDTAVSRPGR GEPRFISVGY VDDTQFVRFD SDAASPRGEP RAPWVEQEGP EYWDRETQKY KRQAQADRVS LRNLRGYYNQ SEDGSHTLQR MSGCDLPGDG RLLRGYDQSA YDGKDYLALN EDLRSWTAAD TAAQITQRKL EAARAAEQLR AYLEGTCVEW LRRYLENGKE TLQRAEPPKT HVTHHPLSDH EATLRCWALG FYPAEITLTW QRDGEDQTQD TELVETRPAG DGTFQKWA AV VVPSGQE QRY TCHMQHEGLQ EPLTLSWEPS SQPTIPI		
Formulation	The HLA-C solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 20% glycerol.		

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.

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%

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

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

HLA-C Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 307 amino acids (25-308) and having a molecular mass of 34.9kDa. HLA-C is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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