
Product Data Sheet

Product Name: CRTAM Human
 Cat. No.: GP23236
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Cytotoxic and Regulatory T Cell Molecule; Class I MHC Restricted T Cell Associated Molecule; Class-I MHC-Restricted T-Cell-Associated Molecule; Class-I MHC-Restricted T Cell Associated Molecule; Cytotoxic and Regulatory T-Cell Molecule; CD355 Antigen; CD355.		
Amino Acid Sequence	SLTNHTETIT VEEGQTLTLKCVTSLRKNSS LQWLTPSGFT IFLNEYPAK NSKYQLLHHS ANQLSITVPN VTLQDEGVYK CLHYSDSVSTKEVKVIVLAT PFKPILEASV IRKQNGEEHV VLMCSTMRSK PPPQITWLLG NSMEVSGGTL HEFETDGKKCNTTSTLIIHT YGKNSTVDCI IRHRGLQGRK LVAPFRFEDL VTDEETASDA LERNLSLSSQD PQQPTSTVSV TEDSSTSEIDKEEKEQTTQD PDLTTEANPQ YLGLARKKSG LEHHHHHH.		
Formulation	CRTAM protein solution (1mg/ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.		

Introduction

Cytotoxic and Regulatory T Cell Molecule, also known as CRTAM belongs to the immunoglobulin superfamily which complies with the structural characteristics of the JAM family and is phylogenetically more closely related to nectin-like proteins. CRTAM is implicated in epithelial cell adhesion. Furthermore, CRTAM interacts with CADM1 as well as promotes natural killer (NK) cell cytotoxicity.

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.

Background

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

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CRTAM produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 278 amino acids (18-287 a.a.) and having a molecular mass of 31.0kDa. (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). CRTAM is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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