

32-13170: CRTAM Human

Alternative Name : 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.

Description

Source: Sf9, Insect cells.

Sterile filtered colorless solution.

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.

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.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : CRTAM protein solution (1mg/ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.

Storage condition : 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.

Amino Acid : SLTNHTETIT VEEGQTLTLK CVTSLRKNSS LQWLTPSGFT IFLNEYPALK NSKYQLLHHS ANQLSITVPN
VTLQDEGVYK CLHYSDSVST KEVKVIVLAT PFKPILEASV IRKQNGEEHV VLMCSTMRSK PPPQITWLLG
NSMEVSGGTL HEFETDGKKC NTTSTLIHT YGKNSTVDCI IRHRGLQGRK LVAPFRFEDL VTDEETASDA
LERNLSLSSQD PQPTSTVSV TEDSSTSEID KEEKEQTTQD PDLTTEANPQ YLGLARKKSG LEHHHHHH.