Recombinant Human CRTAM Protein, His-tagged

Cat. No. CRTAM-371H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CRTAM, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
Description	CRTAM, also known as cytotoxic and regulatory T-cell molecule, is a member of the immunoglobulin superfamily that complies with the structural characteristics of the JAM family of proteins and is phylogenetically more closely related to nectin-like proteins. It is a molecule involved in epithelial cell adhesion. This protein interacts with CADM1 promotes natural killer (NK) cell cytotoxicity and interferon-gamma (IFN-gamma) secretion by CD8+ cells in vitro as well as NK cell-mediated rejection of tumors expressing CADM3 in vivo.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	31.0kDa (278aa)40-57KDa (SDS-PAGE under reducing conditions.)
AA Sequence	SLTNHTETIT VEEGQTLTLK CVTSLRKNSS LQWLTPSGFT IFLNEYPALK NSKYQLLHHS ANQLSITVPN VTLQDEGVYK CLHYSDSVSTKEVKVIVLAT PFKPILEASV IRKQNGEEHV VLMCSTMRSK PPPQITWLLG NSMEVSGGTL HEFETDGKKC NTTSTLIIHT YGKNSTVDCIIRHRGLQGRK LVAPFRFEDL VTDEETASDA LERNSLSSQD PQQPTSTVSV TEDSSTSEID KEEKEQTTQD PDLTTEANPQ YLGLARKKSGLEHHHHHH

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	>90% by SDS - PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name	CRTAM cytotoxic and regulatory T cell molecule [Homo sapiens]
Official Symbol	CRTAM
Synonyms	CRTAM; cytotoxic and regulatory T cell molecule; cytotoxic and regulatory T-cell molecule; CD355; class I MHC restricted T cell associated molecule; class-I MHC-restricted T cell associated molecule; class-I MHC-restricted T-cell-associated molecule;
Gene ID	56253
mRNA Refseq	NM_019604
Protein Refseq	NP_062550
MIM	612597
UniProt ID	O95727

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Chromosome Location	11q24.1
Pathway	Adaptive Immune System, organism-specific biosystem; Immune System, organism-specific biosystem; Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell, organism-specific biosystem;
Function	receptor binding;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA