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Recombinant human CRTAM protein

Catalog Number: ATGP3216

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
18-287aa

UniProt No.
O95727

NCBI Accession No.
NP_062550

Alternative Names
CRTAM, CD355

PRODUCT SPECIFICATION

Molecular Weight
31kDa (278aa)

Concentration
1mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant human CRTAM, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

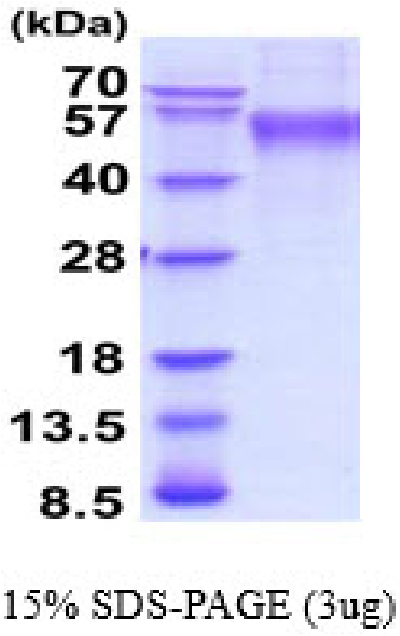
SLTNHTETIT VEEGQTLTLK CVTSLRKNSS LQWLTPSGFT IFLNEYPALK NSKYQLLHHS ANQLSITVPN VTLQDEGVYK CLHYSDSVST KEVKVIVLAT PFKPILEASV IRKQNGEEHV VLMCSTMRSK PPPQITWLLG NSMEVSGGTL HEFETDGKKC NTTSTLIIHT YGKNSTVDCI IRHRGLQGRK LVAPFRFEDL VTDEETASDA LERNSLSSQD PQQPTSTVSV TEDSSTSEID KEEKEQTTQD PDLTTEANPQ YLGLARKKSG LEHHHHHH

General References

Kennedy J., et al. (2000) J. Leukoc. Biol. 67:725-734.
Boles K.S., et al. (2005) Blood 106:779-786.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.