

Recombinant human CD69 protein

Catalog Number: ATGP3298

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

62-199aa

UniProt No.

Q07108

NCBI Accession No.

NP_001772

Alternative Names

Early activation antigen CD69, Activation inducer molecule, AIM, BL-AC/P26, C-type lectin domain family 2 member C, EA1, Early T-cell activation antigen p60, GP32/28, Leukocyte surface antigen Leu-23, MLR-3, CLEC2C

PRODUCT SPECIFICATION

Molecular Weight

17 kDa (147aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

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

Purity

> 95% 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

CD69, also known as early activation antigen CD69, is a type 2 transmembrane glycoprotein in the C-type lectin family. Also, CD69 is a very early activation Ag of T lymphocytes. It is involved in lymphocyte proliferation and functions as a signal transmitting receptor in lymphocytes, natural killer (NK) cells, and platelets. This protein

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plays a role in the pathogenesis of allergen induced eosinophilic airway inflammation and responsiveness. Recombinant human CD69, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

ADPSVGQYNC PGQYTFSMPS DSHVSSCED WVG YQRKCYF ISTVKRSWTS AQNACSEHGA TLAVIDSEKD MNFLKRYAGR
EEHWVGLKKE PGHPWKWSNG KEFNNWFNVT GSDKCVFLKN TEVSSMECEK NLYWICNKPY KHHHHHH

General References

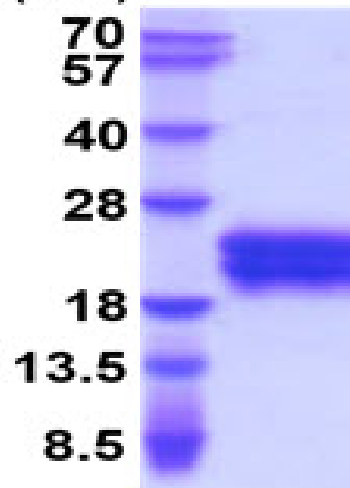
Li J., et al. (2013) Cell. Immunol. 285:23-30.

Gonzalez-Amaro R., et al. (2013) Trends Mol. Med. 19(10):625-632.

DATA

SDS-PAGE

(kDa)



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

15% SDS-PAGE (3ug)