Recombinant Human CD69 Protein, His-tagged

Cat. No. CD69-34H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CD69, 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	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 plays a role in the pathogenesis of allergen induced eosinophilic airway inflammation and responsiveness.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	17.0kDa (147aa)18-28KDa (SDS–PAGE under reducing conditions)
AA Sequence	ADPSVGQYNC PGQYTFSMPS DSHVSSCSED WVGYQRKCYF ISTVKRSWTS AQNACSEHGA TLAVIDSEKD MNFLKRYAGR EEHWVGLKKE PGHPWKWSNG KEFNNWFNVT GSDKCVFLKN TEVSSMECEK NLYWICNKPY KHHHHHH
Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	>95% by SDS – PAGE

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

GENE INFORMATION

Gene Name	CD69 CD69 molecule [Homo sapiens]
Official Symbol	CD69
Synonyms	CD69; CD69 molecule; CD69 antigen (p60, early T cell activation antigen); early activation antigen CD69; CLEC2C; leukocyte surface antigen Leu-23; early T-cell activation antigen p60; early lymphocyte activation antigen; activation inducer molecule (AIM/CD69); C-type lectin domain family 2, member C; CD69 antigen (p60, early T-cell activation antigen); AIM; EA1; MLR-3; GP32/28; BL-AC/P26;
Gene ID	969
mRNA Refseq	NM_001781
Protein Refseq	NP_001772
MIM	107273
UniProt ID	Q07108
Chromosome Location	12p13

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Function	binding; sugar binding; transmembrane signaling receptor activity;

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