

# Human CellExp™ CD69 Protein

12/20

<b>CATALOG NO:</b>	P1639-20    20 µg P1639-50    50 µg
<b>ALTERNATE NAMES:</b>	BL-AC/P26 Protein; GP32/28 Protein; EA1 Protein; CLEC2C Protein; MLR-3 Protein; AIM Protein
<b>MOL. WT.</b>	20-26 kDa
<b>ACCESSION NO:</b>	NX_Q07108, NP_001772.1; Q07108
<b>PURITY:</b>	≥ 95% by SDS-PAGE
<b>SOURCE:</b>	HEK293 cells
<b>ENDOTOXIN:</b>	< 1 EU/µg of the protein as determined by LAL method
<b>TAG:</b>	His-Tag
<b>AMINO ACID SEQUENCE</b>	The target protein is expressed with the sequence (Ser 62 - Lys 199) of human CD69 (Accession #NP_001772.1) fused with a 6xHis tag at the C-terminus.
<b>FORM:</b>	Solid
<b>FORMULATION:</b>	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
<b>STORAGE CONDITIONS:</b>	Store the lyophilized protein at -20 °C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

**DESCRIPTION:** CD69 (Cluster of Differentiation 69) is a human transmembrane C-Type lectin protein encoded by the CD69 gene. It is an early activation marker that is expressed in hematopoietic stem cells, T cells, and many other cell types in the immune system. Diseases associated with CD69 include Coccidioidomycosis and eosinophilic pneumonia. It is also implicated in T cell differentiation as well as lymphocyte retention in lymphoid organs. CD69 the early activation antigen is also known as C-type lectin domain family 2 member C (CLEC2C), Activation inducer molecule (AIM), Early T-cell activation antigen p60 and Leukocyte surface antigen Leu-23. CD69 contains one C-type lectin domain. CD69 is induced by antigens, mitogens or activators of PKC on the surface of T and B-lymphocytes and by interaction of IL-2 with the p75 IL-2R on the surface of NK cells. CD69 / CLEC2C is involved in lymphocyte proliferation and functions as a signal transmitting receptor in lymphocytes, natural killer (NK) cells, and platelets. CD69 is also known to interact with and mediate S1P and LAT1 receptors, which influence lymphocyte egress in lymphoid organs among other responses.

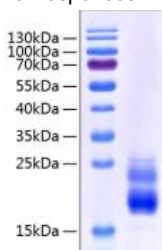


Fig A. Recombinant Human CD69 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 20-26 kDa.

**RELATED PRODUCTS:** Human CellExp™ B7-2 /CD86, human recombinant (Cat No: 7496)  
 Human CellExp™ CD27 Ligand/ CD70, Human Recombinant (Cat No: P1381)  
 Human CellExp™ B7-1 / CD80, mouse recombinant (Cat No: P1075)

**FOR RESEARCH USE ONLY! Not to be used on humans.**