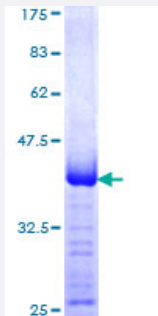


CD99 (Human) Recombinant Protein (Q01)

Catalog # H00004267-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CD99 partial ORF (AAH03147, 23 a.a. - 122 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	DGGFDLSDALPDNENKKPTAIPKKPSAGDDFDLGDVVDGENDDPRPPNPPKMPNPNPNHP SSSGSFSDADLADGVSGGEGKGGSDGGGSHRKEGEEAD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CD99

Entrez GeneID [4267](#)

GeneBank Accession# [BC003147](#)

Protein Accession# [AAH03147](#)

Gene Name CD99

Gene Alias MIC2, MIC2X, MIC2Y

Gene Description CD99 molecule

Omim ID [313470 450000](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a cell surface glycoprotein involved in leukocyte migration, T-cell adhesion, ganglioside GM1 and transmembrane protein transport, and T-cell death by a caspase-independent pathway. In addition, the encoded protein may have the ability to rearrange the actin cytoskeleton and may also act as an oncosuppressor in osteosarcoma. Cyclophilin A binds to CD99 and may act as a signaling regulator of CD99. This gene is found in the pseudoautosomal region of chromosomes X and Y and escapes X-chromosome inactivation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations CD99 antigen|E2 antigen|MIC2 (monoclonal antibody 12E7)|OTTHUMP00000022840|T-cell surface glycoprotein E2|antigen identified by monoclonal 12E7, Y homolog|antigen identified by monoclonal antibodies 12E7, F21 and O13|surface antigen MIC2

Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [Leukocyte transendothelial migration](#)

Disease

- [Arthritis](#)
- [Genetic Predisposition to Disease](#)