

## Recombinant Human CD99 protein

**Cat. No.** CD99-125H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CD99 was expressed in Wheat Germ.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	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. This gene is found in the pseudoautosomal region of chromosomes X and Y and escapes X-chromosome inactivation. There is a related pseudogene located immediately adjacent to this locus.
<b>Form</b>	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
<b>Molecular Mass</b>	18.8 kDa
<b>AA Sequence</b>	MARGAALALLLFGLLGVLVAAPDGGFDLSDALPDNENKKPTAIPKKPSAGDDDFDLGD AVVDGENDDPRPPNPPKP MPNPNPNHPSSSGSFSDADLADGVSGGEGKGGSDG GGSHRKEGEEADAPGVIPGIVGAVVVAVAGAISSFIAYQK KKLCKENAEQGEVDM ESHRNANAEPVQRTLLEK
<b>Applications</b>	Antibody Production; Functional Study; Compound Screening

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**Notes** Heating may cause protein aggregation. Please do not heat this product before electrophoresis. Best use within three months from the date of receipt of this protein.

**Storage** Store at -80centigrade. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

**Gene Name** CD99 CD99 molecule [ Homo sapiens ]

**Official Symbol** CD99

**Synonyms** CD99; CD99 molecule; antigen identified by monoclonal antibodies 12E7, F21 and O13 , CD99 antigen , MIC2; CD99 antigen; E2 antigen; surface antigen MIC2; T-cell surface glycoprotein E2; MIC2 (monoclonal 12E7); antigen identified by monoclonal 12E7, Y homolog; antigen identified by monoclonal antibodies 12E7, F21 and O13; MIC2; HBA71; MIC2X; MIC2Y; MSK5X;

**Gene ID** 4267

**mRNA Refseq** NM\_002414

**Protein Refseq** NP\_002405

**MIM** 313470

**UniProt ID** P14209

**Chromosome Location** Xp22.32 and Yp11.3

**Pathway** Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion

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molecules (CAMs), conserved biosystem; Leukocyte transendothelial migration, organism-specific biosystem; Leukocyte transendothelial migration, conserved biosystem;

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