Recombinant human CD99 protein

Catalog Number: ATGP3615

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
23-122aa

UniProt No.
P14209

NCBI Accession No.
NP_002405

Alternative Names
CD99 antigen isoform a, CD99, HBA71, MIC2, MIC2X, MIC2Y, MSK5X

PRODUCT SPECIFICATION

Molecular Weight
37.3 kDa (342aa)

Concentration
1mg/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
hIgG-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
CD99, also known as CD99 antigen isoform a, is a type 1 transmembrane glycoprotein and the founding member of the CD99 family of molecules. Cells known to express this protein include fibroblasts, neutrophils, T cells, CD34+ stem cells, monocytes and endothelial cells. Also, it plays a role in a late step of leukocyte extravasation helping leukocytes to overcome the endothelial basement membrane. Recombinant human CD99, fused to hIgG-

Recombinant human CD99 protein

Catalog Number: ATGP3615

His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

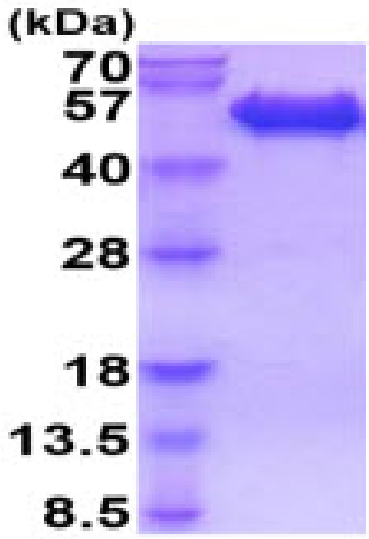
ADPDGGFDLS DALPDNENKK PTAIPKKPSA GDDFDLGDAV VDGENDDPRP PNPPKPMPNP NPNHPSSSGS FSDADLADGV SGGEGKGGSD GGGSHRKEGE EADLEPKSCD KTHTCPPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNGQPENNY KTTPPVLDSD GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGKHHHH HH

General References

Hahn JH., et al, (1997) J. Immunol. 159:2250-2258.
Gil M., et al, (2015) Immunol. Lett. 168:329-336.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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