

MICA, 24-297aa, Human, His tag, E.coli

Cat.NO.: TP02970

3th Edition

Synonyms:MHC class I polypeptide-related sequence A, PERB11.1, truncated.

Description:MICA also known as MHC class I polypeptide-related sequence A. This Protein's Function seems to have no role in antigen presentation. It acts as a stress-induced self-antigen that is recognized by gamma delta T-cells. It binding to KLRK1 leads to cell lysis. Recombinant human MICA, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid, In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT.

Molecular Weight:32.7kDa (283aa) confirmed by MALDI-TOF

Sequences:

MEPHSLRYNLTVLSWDGVSQSGFLTEVHLDGQPFLRCRQKCRAPQGGWAEDVLGNKTWDRETRDLTGNGKD
LRMTLAHIKDQKEGLHSLQEIRVCEIHEDNSTRSSQHFYYDGEFLSQNLETEEWTMPQSSRAQTLAMNVRNFLKE
DAMKTKTHYHAMHADCLQELRRYLKSGVVLRRTPPPMVNTRSEASEGNITVTCRASGFYPWNITLSWRQDGVSL
SHDTQQWGDVLPDGNQTYQTWVATRICQGEEQRFTCYMEHSGNHSTHPVPSLEHHHHHH

Purity:> 95% by HPLC

Concentration:0.25mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.