

Human MICA Recombinant Protein



RPPB3971

Product Information Protein Information

Product SKU:

RPPB3971

Accession:

Q29983

Host:

Escherichia Coli.

Protein description:

MICA Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 320 amino acids and having a molecular mass of 36kDa. The sequence contains the full length extracellular domain of the mature human MICA (amino acid residues Ala23 – Gln308) The MICA is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

MHC class I polypeptide-related sequence A, MIC-A, MICA, PERB11.1, HLA-B, AS, HLAB, HLAC, SPDA1, HLA-B73, HLA-B-7301.

Formulation:

Lyophilized from a concentrated (1mg/ml) solution containing no additives.

Purity:

Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized MICA in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized MICA although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution MICA should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Amino Acid Sequence:

EPHSLRYNLTVLSWDGVSQSGFLAEVHLDGQPFLRYDRQKCRAPQGGQWAEDVLGNKTWDRETRDLTGNGKDL
RMTLAHIKDQKEGLHSLQEIRVCEIHEDNSTRSSQHFFYYDGELFLSQNLETEEWTVPQSSRAQTLAMNVRNFLKED
AMKTKTHYHAMHADCLQELRRYLESGVLRRTVPPMVNVTRSEASEGNITVTCRASSFYPRNIILTWRQDGVLSLH
DTQQWGDVLPDGNQTYQTWVATRICRGEEQRFTCYMEHSGNHSTHPVPSGKVLVLQSH.

Biological Activity:

Measured by its ability to bind MICA antibody in ELISA.