

Active Recombinant Human MICB protein, His&hFc-tagged

Cat. No. MICB-807H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human MICB protein(NP_005922.2) (Met 1-Gly 298) was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-298 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Immobilized human His-NKG2D (78-216) at 10 µg/ml (100 µl/well) can bind human MICB-Fch, The EC50 of human MICB-Fch is 15.9-37.1 ng/ml.
Molecular Mass	The recombinant human MICB/Fc is a disulfide-linked homodimer. The reduced monomer consists of 524 amino acids and has a predicted molecular mass of 59.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh MICB/Fc monomer is approximately 80-90 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 98 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

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aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION**Gene Name**

MICB MHC class I polypeptide-related sequence B [Homo sapiens]

Official Symbol

MICB

Synonyms

MICB; MHC class I polypeptide-related sequence B; PERB11.2; MIC-B; MHC class I mic-B antigen; stress inducible class I homolog; MHC class I chain-related protein B; MHC class I-like molecule PERB11.2-IMX;

Gene ID

4277

mRNA Refseq

NM_005931

Protein Refseq

NP_005922

MIM

602436

UniProt ID

Q29980

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