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Datasheet for ABIN7534002
MICB Protein (Fc Tag,His tag)

Overview

Quantity:	100 µg
Target:	MICB
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MICB protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Active Recombinant Human MIC-B Protein
Sequence:	AEPHSLRYNL MVLSQDGSVQ SGFLAEGHLD GQPFLRYDRQ KRRAKPQGQW AENVLGAKTW DTETEDLTEN GQDLRRTLTH IKDQKGGHLS LQEIRVCEIH EDSSTRGSRH FYYDGELFLS QNLETQESTV PQSSRAQTLA MNVTNFWKED AMKTKTHYRA MQADCLQKLQ RYLKSGVAIR RTVPPMVNVT CSEVSEGNIT VTCRASSFYP RNITLTWRQD GVSLSHNTQQ WGDVLPDGNG TYQTWVATRI RQGEEQRFTC YMEHSGNHGT HPVPSG
Specificity:	Ala23-Gly298
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.

Target Details

Target:	MICB
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Target Details

Alternative Name: MIC-B ([MICB Products](#))

Background: Description: This protein is a heavily glycosylated protein which is a ligand for the NKG2D type II receptor. Binding of the ligand activates the cytolytic response of natural killer (NK) cells, CD8 alphabeta T cells, and gammadelta T cells which express the receptor. This protein is stress-induced and is similar to MHC class I molecules, however, it does not associate with beta-2-microglobulin or bind peptides. Alternative splicing results in multiple transcript variants.
Name: MICB,PERB11.2

Gene ID: 4277

UniProt: [Q29980](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Buffer: Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

Storage: -20 °C,-80 °C

Storage Comment: Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.