

Bioactive

MICB (Human) Recombinant Protein

Catalog # P7192

Size 50 ug

Specification

Product Description	Human MICB (Q29980, 23 a.a. - 254 a.a.) partial recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	AEPHSLRYNLMVLSQDGSVQSGFLAEGHLDGQPFLRYDRQKRRAKPQGQWAENVLGAKTWDT ETEDLTENGQDLRRTLTHIKDQKGGHLHSLQEIRVCEIHEDSSTRGSRHFYYDGELFSLQNLETQES TVPQSSRAQTLAMNVTNFWKEDAMKTKTHY_x005F_x000D__x000D_ 181RAMQADCLQKLQR YLKSGVAIRRTVPPMVNVTCSSEVSEGNITVTCRASSFYPRNITLTWR_x005F_x000D__x000D_ 24 1QDGVSLSHNTQQWG
Host	Escherichia coli
Theoretical MW (kDa)	32.8
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The specific activity is determined by binding MICB antibody in ELISA.
Storage Buffer	Lyophilized from sterile distilled Water up to 0.1 - 1.0 mg/ml
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — MICB

Entrez GeneID	4277
Protein Accession#	Q29880
Gene Name	MICB
Gene Alias	PERB11.2
Gene Description	MHC class I polypeptide-related sequence B
Omim ID	602436
Gene Ontology	Hyperlink
Gene Summary	This gene encodes 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. [provided by RefSeq]
Other Designations	MHC class I chain-related protein B MHC class I mic-B antigen MHC class I molecule MHC class I -like molecule PERB11.2-IMX OTTHUMP00000029089 OTTHUMP00000035091 OTTHUMP0000035588 stress inducible class I homolog

Pathway

- [Natural killer cell mediated cytotoxicity](#)

Disease

- [Acquired Immunodeficiency Syndrome](#)
- [Alzheimer disease](#)
- [Arthritis](#)
- [Asthma](#)
- [Behcet Syndrome](#)
- [Cardiomyopathy](#)

- [Celiac Disease](#)
- [Cognition Disorders](#)
- [Colitis](#)
- [Cytomegalovirus Infections](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Heart Diseases](#)
- [Herpesviridae Infections](#)
- [HIV Seropositivity](#)
- [Inflammatory Bowel Diseases](#)
- [Leprosy](#)
- [Lung Diseases](#)
- [Lupus Erythematosus](#)
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