

Product datasheet for PH322315

MICB (NM_005931) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MICB MS Standard C13 and N15-labeled recombinant protein (NP_005922)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222315
Predicted MW:	42.4 kDa
Protein Sequence:	>RC222315 representing NM_005931 Red=Cloning site Green=Tags(s) MGLGRVLLFLAVAFPFAPAAAAEPHSLRYNLMVLSQDGSVQSGFLAEGHLDGQPFLRYDRQKRRAPQG QWAEDVPGAETWDTETEDLTENGQDLRRTLTHIKDQKGGHLSLQEIRVCEIHEDSSTRGSRHFYDGFELF LSQNLLETQESTVPQSSRAQTLAMNVTNFWKEDAMKTKTHYRAMQADCLQKLQRYLKSGVAIRRTVPPMVN VTCSEVSEGNITVTCRASSFYPRNITL TWRQDGVSL SHNTQQWGDVLPDGNQTYQTWVATRIRQGEQRF TCYMEHSGNHGTHPVPSGKALVLSQRTDFPYVSAAMPCFVIIIIILCVPCCKKKTSAEGLPELVSLQVLD QHPVGTGDHRDAAQLGFQPLMSATGSTGSTEGA TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_005922</u>
RefSeq Size:	2385
RefSeq ORF:	1149
Synonyms:	PERB11.2
Locus ID:	4277



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UniProt ID: [Q29980](#), [X6R344](#)

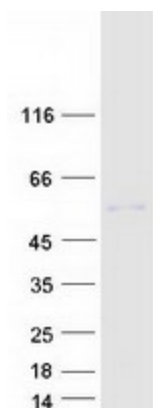
Cytogenetics: 6p21.33

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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]

Protein Families: Druggable Genome

Protein Pathways: Natural killer cell mediated cytotoxicity

Product images:



Coomassie blue staining of purified MICB protein (Cat# [TP322315]). The protein was produced from HEK293T cells transfected with MICB cDNA clone (Cat# [RC222315]) using MegaTran 2.0 (Cat# [TT210002]).