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Recombinant Human MIC-B Protein

Catalog No.: RP00118 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	4277	Q29980

Tags
C-hFc&His

Synonyms
MICB;PERB11.2

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE;≥95 % as determined by HPLC.

Calculated MW	Observed MW
58.24 kDa	75-100 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

400-999-6126

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Background

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.

Basic Information

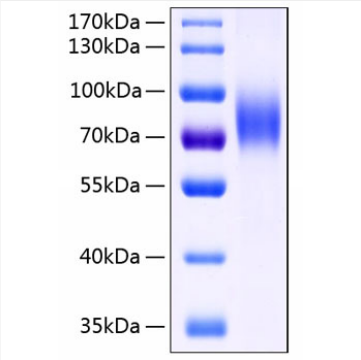
Description
Recombinant Human MIC-B Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Ala23-Gly298) of human MICB (Accession #NP_005922.2) fused with an Fc, 6×His tag at the C-terminus.

Bio-Activity

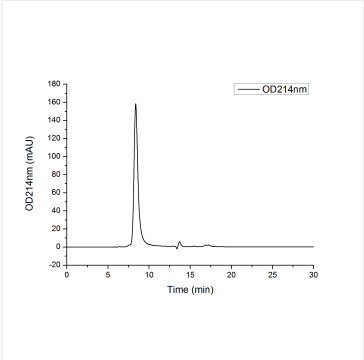
Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

* 为了您的安全和健康，请穿实验服并戴一次性手套操作。

Validation Data



Recombinant Human MIC-B Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



The purity of Human MICB Protein (Cat.RP00118) was greater than 95% as determined by SEC-HPLC.