Mouse NKR-P1A / Klrb1a Protein (His Tag)

Catalog Number: **50806-M07H**

General Information

Gene Name Synonym:

ly-55A; Ly55a; NKR-P1.7; NKR-P1A; Nkrp1-a; NKRP12; Nkrp1a

Protein Construction:

A DNA sequence encoding the secreted form of mouse Klrb1a (P27811) (Gln 67-His 227) was fused with a polyhistidine tag at the N-terminus.

Source: Mouse

Expression Host: HEK293 Cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per μg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 ℃

Predicted N terminal: His

Molecular Mass:

The secreted recombinant mouse Klrb1a comprises 180 amino acids and predicts a molecular mass of 21 kDa. As a result of glycosylation, the apparent molecular mass of mouse Klrb1a is approximately 30-35 kDa in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

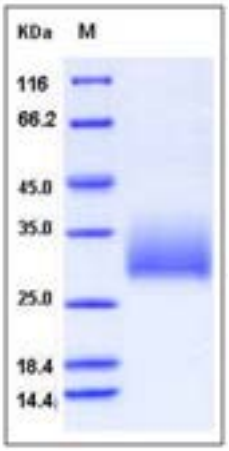
Store it under sterile conditions at -20℃ to -80℃ upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



References

1.Plougastel B, *et al.* (2001) Analysis of a 1-Mb BAC contig overlapping the mouse Nkrp1 cluster of genes: cloning of three new Nkrp1 members, Nkrp1d, Nkrp1e, and Nkrp1f. Immunogenetics 53: 592-598. 2.Kogelberg H, *et al.* (2000) Expression in Escherichia coli, folding in vitro, and characterization of the carbohydrate recognition domain of the natural killer cell receptor NKR-P1A. Protein Expr Purif. 20(1): 10-20. 3.Grazia Cifone M, *et al.* (1997) NKR-P1A stimulation of arachidonate-generating enzymes in rat NK cells is associated with granule release and cytotoxic activity. J Immunol. 159(1): 309-17.