

Mouse KLRB1F / NKR-P1F Protein (Fc Tag)

Catalog Number: 50815-M01H



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

A630024B12Rik; MGC130065; MGC130066; Nkr-p1f; Nkrp1-f; Nkrp1f

Protein Construction:

A DNA sequence encoding the extracellular domain of mouse KLRB1F (Q8VD98) (Gln 67-Val 217) was fused with the Fc region of human IgG1 at the N-terminus.

Source: Mouse

Expression Host: Human Cells

QC Testing

Purity: > 88 % 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 °C

Predicted N terminal: Glu

Molecular Mass:

The recombinant mouse KLRB1F/Fc is a disulfide-linked homodimer. The reduced monomer comprises 411 amino acids and has a calculated molecular mass of 46 kDa. As a result of glycosylation, the apparent molecular mass of the monomer is approximately 52 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:

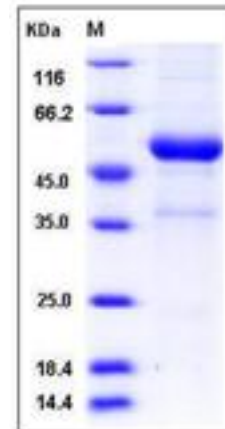
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



References

- 1.Kveberg L, *et al.* (2011) Phylogenetic and functional conservation of the NKR-P1F and NKR-P1G receptors in rat and mouse. *Immunogenetics*. 63(7): 429-36.
- 2.Aust JG, *et al.* (2009) The expression and function of the NKRP1 receptor family in C57BL/6 mice. *J Immunol*. 183(1): 106-16.
- 3.Tian W, *et al.* (2005) C-type lectin OCILRP2/Clr-g and its ligand NKRP1f costimulate T cell proliferation and IL-2 production. *Cell Immunol*. 234(1): 39-53.

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