

Recombinant Mouse CLEC7A/Dectin-1/CD369 Protein

Catalog No.: RP03161 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	56644	Q6QLQ4

Tags

N-hFc

Synonyms

Beta-glucan receptor; DC-associated C-type lectin 1; Dectin-1; Dectin1; CD369; BGR; CLECSF12; DECTIN1; CANDF4

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
46.08 kDa	55-65 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

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

Contact

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Background

Dendritic cell-associated C-type lectin-1 (Dectin-1), also known as β-glucan receptor is an emerging pattern recognition receptor (PRR) which belongs to the family of C-type lectin receptor (CLR). Dectin-1 signaling axis has been suggested to be targeted as an effective therapeutic strategy for cancers. Dectin-1 has also been elucidated as a key player in the heart, respiratory, intestinal, neurological and developmental disorders.

Basic Information

Description

Recombinant Mouse CLEC7A/Dectin-1/CD369 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly71-Leu244) of mouse CLEC7A (Accession #Q6QLQ4) fused with a hFc tag at the N-terminus.

Bio-Activity

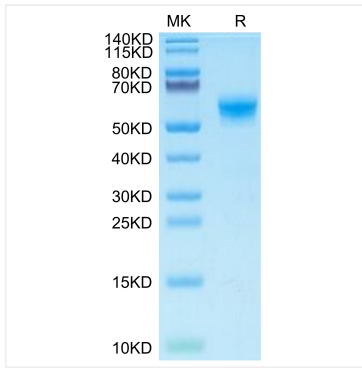
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

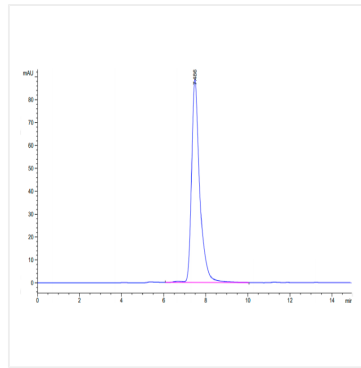
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Mouse CLEC7A Protein was determined by SDS-PAGE with Coomassie Blue, showing 50-70 kDa (monomer).



The purity of Mouse CLEC7A is greater than 95% as determined by SEC-HPLC.