

Recombinant mouse Dectin-1/CLEC7A protein

Catalog Number: ATGP3282

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

71-244aa

UniProt No.

Q6QLQ4

NCBI Accession No.

AAF72710.1

Alternative Names

C-type lectin domain family 7, member a, beta-glucan receptor, beta-GR, BGR, Clecsf12, Dectin-1

PRODUCT SPECIFICATION

Molecular Weight

21kDa (183aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CLEC7A, also known as C-type lectin domain family 7 member A 1, that functions as in the innate immune response to fungal pathogens. It is expressed on monocytes, macrophages, and neutrophils, and on some populations of dendritic cells and T cells. It is upregulated on macrophages by GM-CSF, IL-4, or IL-13 and downregulated by dexamethasone, IL-10, or LPS. Recombinant mouse CLEC7A, fused to His-tag at C-terminus,

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was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

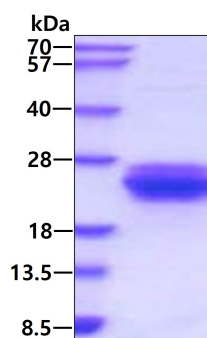
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NSWYGSKRHC SQLGAHLLKI DNSKEFEFIE SQTSSHRINA FWIGLSRNQS EGPWFWEDGS AFFPNSFQVR NTVPQESLLH
NCVWIHGSEV YNQCINTSSY SICEKEL<HHH HHH>

General References

Yadav M., et al. (2006) Blood 108:3168-3175.
Willment J. A., et al. (2003) J. Immunol. 171:4569-4573.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.