Recombinant Human CD301 Protein

Catalog No.: RP00207

Sequence Information

Species
Human

Gene ID
10462

Swiss Prot
Q8IUN9

Tags
C-His

Synonyms
CLEC10A,CD301,CLECSF13, CLECSF14,HML,HML2,MGL

Product Information

Source
HEK293 cells

Purification
≥ 90 % as determined by SDS-PAGE.

Calculated MW
29.61 kDa

Observed MW
Approximately 40 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.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.

Background

CLEC10A, also known as macrophage galactose/N-acetyl-galactosamine (GalNAc) specific lectin (MGL), CD301, DC-ASGPR, and HML, is a 40 kDa type II transmembrane glycoprotein that belongs to the C-type lectin family. C-type lectin family share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signalling, glycoprotein turnover, and roles in inflammation and immune response. CLEC10A is expressed on macrophages and related cells of myeloid origins, particularly immature dendritic cells (DCs). CLEC10A plays a protective role against colitis by effectively inducing IL-10 production by colonic lamina propria macrophages in response to invading commensal bacteria.

Basic Information

Description
Recombinant Human CD301 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln61-His316) of human CLEC10A/MGL1/CD301 (Accession #NP_878910.1) fused with a 6×His tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

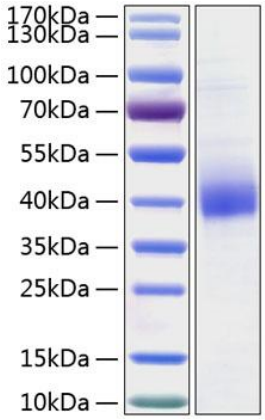
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Human CD301 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.