Recombinant Human CLEC10A/CD301 Protein (Fc Tag)

Catalog Number: PKSH031411



Note: Centrifuge before opening to ensure complete recovery of vial contents.

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Synonyms C-Type Lectin Domain Family 10 Member A;C-Type Lectin Superfamily Member

14; Macrophage Lectin 2; CD301; CLEC10A; CLECSF13; CLECSF14; HML

Species Human

Expression Host

Sequence
Gln61-His292
Accession
Q8IUN9-2
Calculated Molecular Weight
Observed molecular weight
Tag

HEK293 Cells
Gln61-His292

Q8IUN9-2
54.6 kDa
58 kDa
N-hFc

Properties

Purity > 85 % as determined by reducing SDS-PAGE.

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

Storage Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to

-80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots

of reconstituted samples are stable at < -20°C for 3 months.

Shipping This product is provided as lyophilized powder which is shipped with ice packs.

Formulation Lyophilized from sterile PBS, pH 7.4

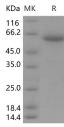
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

Reconstitution Please refer to the printed manual for detailed information.

Data



> 85 % as determined by reducing SDS-PAGE.

Background

CLEC10A, also known as the macrophage galactose-type calcium-type lectins (MGLs; CD301) constitute a unique class of C-type lectins because of their specificity for galactose and its structural homologues. MGLs/CD301 is a type II transmembrane glycoproteins and is expressed on macrophages and related cells of myeloid origins, particularly immature dendritic cells (DCs). There are 2 homologues: MGL1 and MGL2 (CD301a and CD301b) in mice. MGL1/CD301a induces both the production and secretion of interleukin (IL)-10. MGL1/CD301a plays a protective role against colitis by effectively inducing IL-10 production by colonic lamina propria macrophages in response to invading commensal bacteria.

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