Datasheet for ABIN7275586
DC-SIGN/CD209 Protein (AA 59-404) (His tag)
3 Images


Go to Product page

## Overview

| Quantity: | $100 \mu \mathrm{~g}$ |
| :--- | :--- |
| Target: | DC-SIGN/CD209 (CD209) |
| Protein Characteristics: | AA 59-404 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This DC-SIGN/CD209 protein is labelled with His tag. |

Product Details

| Purpose: | Human CD209/DC-SIGN Protein |
| :--- | :--- |
| Sequence: | Gln59-Ala404 |
| Characteristics: | Recombinant Human CD209/DC-SIGN Protein is expressed from HEK293 with His tag at the N- |
| Terminus.It contains GIn59-Ala404. |  |
| Purity: | $>95 \%$ as determined by Tris-Bis PAGE,> 95 \% as determined by HPLC |
| Sterility: | Less than 1EU per $\mu \mathrm{g}$ by the LAL method. <br> Endotoxin Level:The affinity constant of $0.12 \mu \mathrm{M}$ as determined in SPR assay (Biacore T200). See testing image <br> fiological Activity Comment: |

Target Details

| Target: | DC-SIGN/CD209 (CD209) |
| :---: | :---: |
| Alternative Name: | CD209 (CD209 Products) |
| Background: | C-type lectin CD209/DC-SIGN and CD209L/L-SIGN proteins are distinct cell adhesion and pathogen recognition receptors that mediate cellular interactions and recognize a wide range of pathogens, including viruses such as SARS, SARS-CoV-2, bacteria, fungi and parasites. <br> Pathogens exploit CD209 family proteins to promote infection and evade the immune recognition system. |
| Molecular Weight: | 40.5 kDa. Due to glycosylation, the protein migrates to 52-60 kDa based on Tris-Bis PAGE result. |
| Application Details |  |
| Restrictions: | For Research Use only |
| Handling |  |
| Format: | Lyophilized |
| Reconstitution: | Centrifuge the tube before opening. Reconstituting to a concentration more than $100 \mu \mathrm{~g} / \mathrm{mL}$ is recommended. Dissolve the lyophilized protein in distilled water. |
| Buffer: | Lyophilized from $0.22 \mu \mathrm{~m}$ filtered solution in PBS ( pH 7.4 ). Normally $8 \%$ trehalose is added as protectant before lyophilization. |
| Storage: | $-20^{\circ} \mathrm{C},-80^{\circ} \mathrm{C}$ |
| Storage Comment: | -20 to $-80^{\circ} \mathrm{C}$ for 12 months as supplied from date of receipt., $-80^{\circ} \mathrm{C}$ for $3-6$ months after reconstitution., $2-8^{\circ} \mathrm{C}$ for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |
| Expiry Date: | 12 months |



Surface Plasmon Resonance
Image 1. Human BTN2A1, His Tag immobilized on CM5 Chip can bind Human CD209, His Tag with an affinity constant of $0.12 \mu \mathrm{M}$ as determined in SPR assay (Biacore T200).

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human CD209 is greater than 95 \% as determined by SEC-HPLC.

## SDS-PAGE

Image 3. Human CD209 on Tris-Bis PAGE under reduced condition. The purity is greater than $95 \%$.

