

For Research Use Only

Recombinant Human DCC protein (rFc Tag)



Catalog Number: Eg2937

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Human DCC protein His26-Asn1097 (Accession# P43146) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

1630

Accession:

P43146

Predicted Molecular Mass:

144.4 kDa

SDS-PAGE:

135-180 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Deleted in Colorectal Cancer (DCC) is a single-pass transmembrane protein that belongs to the immunoglobulin superfamily. DCC was originally identified as a prognostic tumor marker and then subsequently found to be a receptor for netrin-1. DCC is expressed in many normal tissues, but was absent in most colorectal carcinomas, hence the name DCC. DCC plays a key role in axon guidance and also in several other important cellular processes.

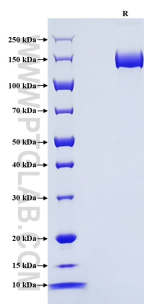
References

- 1.Finci L. et al. (2015) Prog Biophys Mol Biol. 118(3):153-160.
- 2.Boussouar A. et al. (2020) Cancer Res. 80(4):747-756.
- 3.Jasmin M. et al. (2021) EMBO J. 40(3):e105537.
- 4.Lo P.S. et al. (2022) J Neurochem. 161(3):254-265.

Synonyms

DCC, Colorectal cancer suppressor, CRC18, CRCR1, IGDCC1

Selected Validation Data



Purity of Recombinant Human DCC was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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