

Recombinant Human Deleted In Colorectal Carcinoma, GST-tagged

Cat. No. DCC-2110H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant HumanDCC produced in inE. coli. The fibronectin domain 5 (FBN5) of human DCC (aa 841-941) is fused to a N-terminal GST-tag.
Species	Human
Source	E.coli
ProteinLength	841-941 a.a.
Description	Deleted in Colorectal Carcinoma, also known as DCC is a tumor suppressor gene found in axons of the central and peripheral nervous system and in differentiated cell types of the intestine. DCC may participate in signaling pathways that regulate cell proliferation and/or differentiation, two cellular processes that often go awry during tumorigenesis. DCC is required for the formation of major axonal projections by embryonic cortical neurons, including the corpus callosum, hippocampal commissure, and cortico-thalamic tracts.
Concentration	1mg/ml after reconstitution.
Purity	≥95% (SDS-PAGE).
Formulation	Lyophilized. Contains PBS.
Endotoxin Content	<0.1EU/g purified protein (LAL test; Bio Whittaker).

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Reconstitution	Reconstitute with 50µl sterile water. Further dilutions should be made with medium containing 5% fetal calf serum.
Specificity	Binds to human and mouse netrin-1.
Term Storage	-20°C.
Handling	After reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.
Stability	Stable for at least 6 months after receipt when stored at -20°C.

GENE INFORMATION

Gene Name	DCC deleted in colorectal carcinoma [Homo sapiens]
Synonyms	DCC; deleted in colorectal carcinoma; CRC18; CRCR1; IGDCC1; netrin receptor DCC; colorectal tumor suppressor; colorectal cancer suppressor; tumor suppressor protein DCC; deleted in colorectal cancer protein; immunoglobulin superfamily DCC subclass member 1; immunoglobulin superfamily, DCC subclass, member 1
Gene ID	1630
mRNA Refseq	NM_005215
Protein Refseq	NP_005206
MIM	120470
UniProt ID	P43146.1
Chromosome	18q21.3

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Location

Pathway

Axon guidance; Colorectal cancer; Pathways in cancer

Function

identical protein binding; netrin receptor activity; protein binding

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