

Product datasheet for PH318506

DCC (NM_005215) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DCC MS Standard C13 and N15-labeled recombinant protein (NP_005206)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218506
Predicted MW:	158.3 kDa
Protein Sequence:	>RC218506 representing NM_005215 Red=Cloning site Green=Tags(s)

MENSLRCVWPKLAFVLF GASLLSAHLQVTGFQIKAFALRFLSEPSDAVTRGGNVLLDCAESDRGVP
VIKWKDGIHLALGMDERKQLSNGSLLIQNILHSRHHKPDEGLYQCEASLGDSGSIISRTAKVAVAGPL
RFLSQTESVTA FMGDTVLLKCEVIGEMPTIHWQKNQQLTPIPGDSRVVVLPSGALQISRLQPGDIGIY
RCSARNPASSRTGNEAEVRILSDPGLHRQLYFLQPSNVVAIEGKDAVLECCVSGYPPPSFTWLRGEEVI
QLRSKKYSLLGSNLLISNVTDDDSGMYTCVVTYKNENISASAELTVLPPWFLNHPNLYAYESMDIEF
ECTVSGKPVPTVNMKNGDVVIPSDYFQIVGGSNLRILGVVKSDEGFYQCAENEAGNAQTSACLIVPKP
AIPSSSVLPSAPRDVVPVLVSSRFVRLSWRPPAEAKGNIQTFTVFFSREGDNRRERLNTTQPSGLQTLVG
NLKPEAMYTFRVVAYNEWGPGESSQPIK VATQPELQVPGPVENLQAVSTSPTSILITWEPPAYANGPVQG
YRLFCTEVSTGKEQNIIEVDGLSYKLEGLKKFTEYSLRFLAYNRYGPGVSTDDITVVTLSDVPSAPPQNV
LEVVNSRSIKVSWLPPPSGTQNGFITGYKIRHRKTTRRGEMETLEPNLWYLF TGLEKGSQYSFQVSAMT
VNGTGPPSNWYTAETPENDLDESQVPDQPSSLHVRPQTNCIIMSWTPLNPNIVVRGYIIGYGVGSPYAE
TVRVDSKQRYYSIERLESSSHYV I SLKAFNNAGEGVPLYESATTRSITDPTDVPDYPLDDFPTSVPDL
STPMLPPVGVQAVALTHDAVRVSWADNSVPKNQKTSEVRLYTVRVRTSFSASAKYKSEDTTSLSYTATGL
KPNTMYEFSVMVTKNRRSSTWSMTAHATTYEAAPTSAPKDLTVITREGKPRIVVSWQPPEANGKITAY
ILFYTL DKNIPIDDWIMETISGDRLTHQIMDLNLD TMYFRIQARNKSGVGPLSDPILFRTLKVEHPDKM
ANDQGRHGDGGYWPVDTNLIDRSTLNEPPIGQMHPPHGSVTPQKNSNLLVIIVTVGVITLVVVIVAVI
CTRRSSAQQRKRATHSAGKRKGSQKDLRPPDLWIHHEEMEMKNI EKPSGTD PAGRDSPIQSCQDLTPVS
HSQSETQLGSKSTSHSGQDTEEAGSSMSTLERSLAARRAPRAKLMIPMDAQSNPAVVS AIPVPTLESAQ
YPGILPSPTCGYPHPQFTLRPVFPFTLSVDRGFGAGRSQSVSEGPTTQPPMLPPSQPEHSSEEAPSRT
IPTACVRPTHPLRSFANPLPPPMSAIEPKVPYTPLLSQPGPTLPKTHVKTASLGLAGKARSPLLPVSV
TAPEVSEESHKPTEDSANVYEQDDLSEQMASLEGLMKQLNAITGSAF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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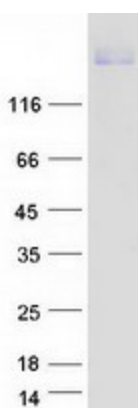
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005206
RefSeq Size:	4608
RefSeq ORF:	4341
Synonyms:	CRC18; CRCR1; HGPPS2; IGDC1; MRMV1; NTN1R1
Locus ID:	1630
UniProt ID:	P43146 , Q49AK4
Cytogenetics:	18q21.2

Summary: This gene encodes a netrin 1 receptor. The transmembrane protein is a member of the immunoglobulin superfamily of cell adhesion molecules, and mediates axon guidance of neuronal growth cones towards sources of netrin 1 ligand. The cytoplasmic tail interacts with the tyrosine kinases Src and focal adhesion kinase (FAK, also known as PTK2) to mediate axon attraction. The protein partially localizes to lipid rafts, and induces apoptosis in the absence of ligand. The protein functions as a tumor suppressor, and is frequently mutated or downregulated in colorectal cancer and esophageal carcinoma. [provided by RefSeq, Oct 2009]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Axon guidance, Colorectal cancer, Pathways in cancer

Product images:



Coomassie blue staining of purified DCC protein (Cat# [TP318506]). The protein was produced from HEK293T cells transfected with DCC cDNA clone (Cat# [RC218506]) using MegaTran 2.0 (Cat# [TT210002]).