

Product datasheet for TP313239

Nardilysin (NRDC) (NM_002525) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human nardilysin (N-arginine dibasic convertase) (NRD1), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213239 representing NM_002525 Red=Cloning site Green=Tags(s)

MLRRVTVAAVCATRRKLCEAGRDVAALWGIETRGRCEDSAARPPFILAMPGRNKAKSTCSCPDLQPNGQ
DLGENSRVARLGADESEEEGRGSLSNAGDPEIVKSPSPDKQYRYIKLQNLQALLISDLNMEGKTGNT
TDDEEEEEVEEEEDDDEDSGAEIEDDDEEGFDDDEDFDDEHDDDLDTEDNELEEEERAEARKKTEKQ
QLQSLFLLWSKLTDRLWFKSTYSKMSSTLLVETRNLVYGVGAESRSAPVQHLAGWQAEQQGETDTVLSA
AALCVGVGSFADPDDLPLGLAHFLEHMVFMGSLKYPDENGFDALFKKHGGSDNASTDCERTVFQFDVQRKY
FKEALDRWAQFFIHLMIRDAIDREVEAVDSEYQLARPSDANRKEMLFGSLARPGHPMGKFFWGNATLK
HEPRKNNIDTHARLREFWMRYSSHMTLVVQSKETLDTLEKWVTEIFSQIPNNGLPNPFGLHTDPDFT
PAFNKLYRVVPIRKIHALTITWALPPQQQHYRVKPLHYISWLVGHEGKGSILSFLRKKCWALALFGGNGE
TGFEQNSTYSVFSISITLTDEGYEHFYEVAYTVFLYLKMLQKLGPEKRIFEIRKIEDNEFHYQEQTDPV
EYVENMCENMQLYPLQDILTGDQLLFEYKPEVIGEALNQLVPQKANLVLLSGANEGKCDLKEKWFGTQYS
IEDIENSWAELWNSNFELNPDHLPAENKYIATDFTLKAFCPETEYPVKIVNTPQGCLWYKKNKFKIP
KAYIRFHLISPLIQSAANVFLDIFVNILTHNLAEPAYEADVAQLEYKLAAGEHGLIIRVKGFNHLKPL
LFQLIIDYLAEFNSTPAVFTMITEQLKKTYFNILIKPETLAKDVRLILEYARWSMIDKYQALMDGLSLE
SLLSFVKEFKSQLFVEGLVQGNVTSTESMDFLKYVDKLNFKPLEQEMPVQFQVVELPSGHHLCKVKALN
KGDANSEVTVYQSGTRSLREYTLMELLVMHMEPCDFLRTKQTLGYHYVPTCRNTSGILGFSVTVGTQ
ATKYNSEVVDKKIEEFLSSFEEKIENL TEEAFNTQVTALIKLKECEDTHL GEEVDRNWNEVWTTQYYLFD
LAHEIEALKSFSKSDLVNWFKAHRGPGSKMLSVHVGVGKYELEEDGSPSEDSNSSCEVMQLTYLPTSP
LLADCIIPITDIRAFTTTLNLLPYHKIVK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	139.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method



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Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002516
Locus ID:	4898
UniProt ID:	O43847 , Q6UUU9
RefSeq Size:	3851
Cytogenetics:	1p32.3
RefSeq ORF:	3657
Synonyms:	hNRD1; hNRD2; NRD1
Summary:	This gene encodes a zinc-dependent endopeptidase that cleaves peptide substrates at the N-terminus of arginine residues in dibasic moieties and is a member of the peptidase M16 family. This protein interacts with heparin-binding EGF-like growth factor and plays a role in cell migration and proliferation. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2011]
Protein Families:	Druggable Genome, Protease

Product images:



Coomassie blue staining of purified NRDC protein (Cat# TP313239). The protein was produced from HEK293T cells transfected with NRDC cDNA clone (Cat# [RC213239]) using MegaTran 2.0 (Cat# [TT210002]).