

Recombinant Human NRDC Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NRDC-5190H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NRD1 MS Standard C13 and N15-labeled recombinant protein (NP_002516) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	139.2 kDa
AA Sequence	MLRRVTVAAVCATRRKLCEAGRDVAALWGIETRGRCEDSAAARPPILAMPGRNKA KSTCSCPDLQPNGQDLGENSRVARLGADESEEEGRRGSLSNAGDPEIVKSPSPDK QYRYIKLQNGLQALLISDLSNMEGKTGNTTDEEEEEVEEEEEDDDEDSGAEIEDDD EEGFDDDEDEFDDHDDDLDTEDNELEEELEERAEARKKTTEKQQQLQSLFLLWSKLTD RLWFKSTYSKMSSTLLVETRNLYGVVGAESRSAPVQHLAGWQAEQQGETDTVLS AAALCVGVGSFADPDDLPLGLAHFLEHMFVFMGSLKYPDENGFD AFLKKHGGSDNAS TDCERTVFQFDVQRKYFKEALDRWAQFFIHPLMIRDAIDREVEAVDSEYQLARPSDA NRKEMLFGSLARPGHPMGKFFWGNAETLKHEPRKNNIDTHARLREFWMRYSSHY

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MTLVVQSKETLDTLEKWVTEIFSQIPNNGLPRPNFGHLTDPFDTPAFNKLYRVVPIRK
 IHALTITWALPPQQQHYRVKPLHYISWLVGHEGKGSILSFLRKKCWALALFGGNGET
 GFEQNSTYSVFSISITLTDEGYEHFYEVAYTVFLYLKMLQKLGPEKRIFEEIRKIEDNE
 FHYQEQTDPVEYVENMCENMQLYPLQDILTGDQLLFEYKPEVIGEALNQLVPQKANL
 VLLSGANEGKCDLKEKWFGTQYSIEDIENSWAELWNSNFELNPDHLPAENKYIATD
 FTLKAFDCPETEYPVKIVNTPQGCLWYKKDNKFKIPKAYIRFHLISPLIQKSAANVVL
 DIFVNILTHNLAEPAYEADVAQLEYKLAAGEHGLIIRVKGFNHNKLPPLFQLIIDYLAEFN
 STPAVFTMITEQLKKTYFNILIKPETLAKDVRLLILEYARWSMIDKYQALMDGLSLESLL
 SFVKEFKSQLFVEGLVQGNVTSTESMDFLKYVVDKLNFKPLEQEMPVQFQVVELPS
 GHHLCKVKALNKGDANSEVTVYYQSGTRSLREYTLMELLVMHMEEPCFDFLRRTKQT
 LGYHVYPTCRNTSGILGFSVTVGATKYNSEVVDDKIEEFLSSFEEKIENLTEEAFN
 TQVTALIKLKECEDTHLGEEVDRNWNEVVTQQYLFDRLAHEIEALKSFSKSDLVNW
 KAHRGPGSKMLSVHVVGYGKYELEEDGSPSSEDSNSSCEVMQLTYLPTSPLLADCII
 PITDIRAFTTTLNLLPYHKIVKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name NRDC nardilysin convertase [Homo sapiens (human)]

Official Symbol NRDC

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Synonyms	NRDC; nardilysin convertase; NRD1; hNRD1; hNRD2; nardilysin; NRD convertase; nardilysin (N-arginine dibasic convertase); EC 3.4.24.61
Gene ID	4898
mRNA Refseq	NM_002525
Protein Refseq	NP_002516
MIM	602651
UniProt ID	O43847
SDS-PAGE	