

Recombinant Full Length Human NRDC Protein, C-Flag-tagged

Cat. No. NRDC-1285HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human NRDC Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	139.2 kDa
AA Sequence	MLRRVTVAAVCATRRKLCEAGRDVAALWGIETRGRCEDSAAARPPILAMPGRNKA KSTCSCPDLPNGQ DLGENSRVARLGADESEEEGRRGSLSNAGDPEIVKSPSDPK QYRYIKLQNLQALLISDLNMEGKTGNT TDDEEEEEVEEEEEDDDED SGAEIEDD DEEGFDDDEDFDDEHDDDLDTEDNELEEELEERA EARKKTTEKQ QLQSLFLLWSKLT DRLWFKSTYSKMSSTLLVETRNL YGVVGAESRSAPVQHLAGWQAEEQQGETDTVL SA AALCVGVGSFADPDDLPLGLAHFLEHMFVFMGSLKYPDENGFD AFLKKHGGSDNA STDCERTVFQFDVQRKY FKEALDRWAQFFIHPLMIRDAIDREVEAVDSEYQLARPS DANRKEMLFGSLARPGHPMGKFFWGNAETLK HEPRKNNIDTHARLREFWMRYYS

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SHYMTLVVQSKETLDTLEKWVTEIFSQIPNNGLPRPNFGHLTDPFDT PAFNKLYRVV
 PIRKIHALTITWALPPQQQHYRVKPLHYISWLVGHEGKGSILSFLRKKCWALALFGGN
 GE TGFEQNSTYSVFSISITLTDEGYEHFYEVAYTVFLYLKMLQKLGPEKRIFEEIRKIE
 DNEFHYYEQETDPV EYVENMCENMQLYPLQDILTGDQLLFEYKPEVIGEALNQLVPQ
 KANLVLLSGANEGKCDLKEKWFGTQYS IEDIENSWAELWNSNFELNPDHLPAENK
 YIATDFTLKAFCPETEYPVKIVNTPQGCLWYKKDNKFKIP KAYIRFHLISPLIQKSAA
 NVVLFDFVNLTHNLAEPAYEADVAQLEYKLAAGEHGLIIRVKGFNHKLPL LFQLIIDY
 LAEFNSTPAVFTMITEQLKKTYFNILIKPETLAKDVRLLILEYARWSMIDKYQALMDGL
 SLE SLLSFVKEFKSQLFVEGLVQGNVTSTESMDFLKYVVDKLNFKPLEQEMPVQFQ
 VVELPSGHHLCKVKALN KGDANSEVTVYYQSGTRSLREYTLMELLVMHMEEPCFD
 FLRTKQTLGYHVYPTCRNTSGILGFSVTVGQT ATKYNSEVVDKKIEEFLSSFEKIEIN
 LTEAFNTQVTALIKLKECEDTHLGEEVDRNWNEVVTQQYLFDR LAHEIEALKSFSK
 SDLVNWFKAHRGPGSKMLSVHVVGYGKYELEEDGSPSSSEDSNSSCEVMQLTYLPT
 SP
 LLADCIIPITDIRAFTTTLNLLPYHKIVKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protease

Full Length Full L.

GENE INFORMATION

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

Official Symbol NRDC

Synonyms NRD1; hNRD1; hNRD2

Gene ID 4898

mRNA Refseq NM_002525.3

Protein Refseq NP_002516.2

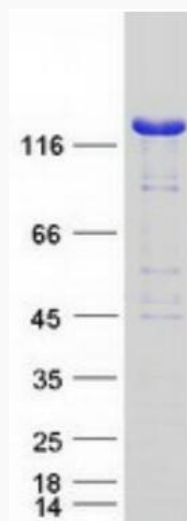
MIM 602651

UniProt ID O43847

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Coomassie blue staining of purified NRDC protein.

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