

Product datasheet for **TP316544L**

NEDL2 (HECW2) (NM_020760) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2 (HECW2), 1 mg

Species: Human

Expression Host: HEK293T



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Expression cDNA Clone >RC216544 representing NM_020760
or AA Sequence: Red=Cloning site Green=Tags(s)

MASSAREHLLFVRRRNPQMRYTLSPENLQSLAAQSSMPENMTLQRANSDDLVTSESRSSLTASMYEYTL
 GQAQNLIIIFWDIKEEVDPSDWIGLYHIDENSPANFWDSKNRGTGTQKQIWRIEPGPYFMEPEIKICF
 KYHGISGALRATTPCITVKNPAVMMGAEGMEGGASGNLHSRKLVSFTLSDLRAVGLKKGMMFFNPDPYK
 MSIQPGKKSSFPTCAHHGQERRSTIISNTTNPWIWHREKYSFFALLTDVLEIEIKDKFAKSRPIIKRFLGK
 LTIPVQRLLERQAIGDQMLSYNLGRRLPADHVSGYLQFKVEVTSSVHEDASPEAVGTILGVNSVNGDLGS
 PSDDEDMPGSHHDSQVCSNGPVSEDSAADGTPKHSFRTSSTLEIDTEELTSTSSRTSPRGRQDSLNDYL
 DAIEHNGHSRPGTATCSERSMGASPCLRSSFPTDTRLNAMLHIDSDEEDHEFQQDLGYPSSLEEEGLIM
 FSRASRADDGSLTSQTKLEDNPVENEAEASTHEAASFEDKPENLPELAESSLPAGPAPEEGEGGPEPQPSA
 DQGSALCGSQEVDQPTSGADTGTSDASGSRRAVSETESLDQGSEPSQVSSETEPSDPARTESVSEAST
 RPEGESDLECADSSCNESVTTQLSSVDTRCSSLESARFPETPAFSSQEEEDGACAAEPTSSGPAEGSQES
 VCTAGSLPVVQVPSGEDEGPGAESATVPDQEELGEVWQRRGSLEGAAAAESPPEEGSAGEAQGTCEGA
 TAQEEGATGGSQANGHQPLRSLPSVRQDVSRVQVRVDEALPPNWEARIDSHGRIFYVDHVNRTTTWQRPTA
 PPAPQVLQRSNSIQQMEQLNRRYQSIRRTMTNERPEENTNAIDGAGEEADFHQASADFRRENILPHSTSR
 SRITLLLQSPPVKFLISPEFFTVLHNSNPSAYRMFTNNTCLKHMITKVRRDTHHFERYQHNRDLVGFNLMF
 ANKQLELPRGWEMKHDHGHQKAFVDHNSRTTTFIDPRLPLQSSRPTSALVHRQHILTRQRSHSAGEVGEDS
 RHAGPPVLPSPSTFNTVSRPQYQDMVPVAYNDKIVAFRLQPNIFEILQERQPDLTRNHSLEKIQFIRT
 EGTPGLVRLSSDADLVMLLSLFEEIIMSYPHALLHPSYCSQSPRGSPVSSPQNSPGTQRANARAPAPYK
 RDFEAKLRNFYRKLETKGYGQGPGLKLIIRRDHLEDAFNQIMGYSRKDLQRNKLYVTFVGEGLDYSG
 PSREFFFLVSRELFNPYYGLFEYSANDTYTVQISPMFAFVDNHHEWFRFSGRILGLALIHQYLLDAFFTR
 PFYKALLRILCDLSDLEYLDEEFHQSLQWMKDNIDHLDLFTTVNEEVFGQITERELKPGGANIPVTEK
 NKKEYIERMVKWRIERG VVQQTESLVRGFYEVVDARLVSVFDARELELVIAGTAEIDLSDWRNNTTEYRGG
 YHDNHIVIRWFVAVERFNNEQRLRLQLQFVTGTSSIPYEGFASLRGSNGPRRFCVEKWKITALPRAHTC
 FNRLDLPPYPSFSMLYEKLLTAVEETSTFGLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

- Tag:** C-Myc/DDK
- Predicted MW:** 175.6 kDa
- Concentration:** >0.05 µg/µL as determined by microplate BCA method
- 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_065811](#)

Locus ID: 57520

UniProt ID: [Q9P2P5](#)

RefSeq Size: 6926

Cytogenetics: 2q32.3

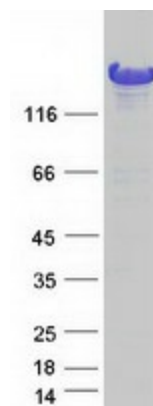
RefSeq ORF: 4716

Synonyms: NDHSAL; NEDL2

Summary: This gene encodes a member of a family of E3 ubiquitin ligases which plays an important role in the proliferation, migration and differentiation of neural crest cells as a regulator of glial cell line-derived neurotrophic factor (GDNF)/Ret signaling. This gene also plays an important role in angiogenesis through stabilization of endothelial cell-to-cell junctions as a regulator of angiominin-like 1 stability. The encoded protein contains an N-terminal calcium/lipid-binding (C2) domain involved in membrane targeting, two-four WW domains responsible for cellular localization and substrate recognition, and a C-terminal homologous with E6-associated protein C-terminus (HECT) catalytic domain. Naturally occurring mutations in this gene are associated with neurodevelopmental delay, hypotonia, and epilepsy. The decreased expression of this gene in the aganglionic colon is associated with Hirschsprung's disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2017]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified HECW2 protein (Cat# [TP316544]). The protein was produced from HEK293T cells transfected with HECW2 cDNA clone (Cat# [RC216544]) using MegaTran 2.0 (Cat# [TT210002]).