

Product datasheet for **TP525446**

NdrG4 (NM_145602) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse N-myc downstream regulated gene 4 (NdrG4), transcript variant B, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR225446 protein sequence
Red=Cloning site **Green**=Tags(s)

MPECWDGEHDIETPYGLLHVIRGSPKGNRPAILTYHDVGLNHNKLCFNTFFNFEDMQEITKHFVCHVDA
PGQQVGASQFPQGYQFPSMEQLAAMLPSVQHFQFKYVIGVAGAYVLAKFALIFDLVEGLVLMNID
PNGKGWIDWAATKLSGLTSTLPDVLVSHLFSQEELVNNTLVQSYRQQISNVVNQANLQLFWNMYNSRRD
LDINRPGTVPNAKTLRCPVMLVGDNAPAEEGVVECSKLDPTTTTFLKMADSGGLPQVTQPGKLTEAFK
YFLQGMGYMPSASMTRLARSRTASLTSASSVDGSRPQCAHSDSSEGMGQVNHTMEVSC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 37.2 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

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 after receiving vials.

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_663577](#)

Locus ID: 234593

UniProt ID: [Q8BTG7](#)



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RefSeq Size: 2927

Cytogenetics: 8 D1

RefSeq ORF: 1020

Synonyms: D8Bwg1337e; Ndr1-rs; Ndr4; R74996; SMAP-8

Summary: Contributes to the maintenance of intracerebral BDNF levels within the normal range, which is necessary for the preservation of spatial learning and the resistance to neuronal cell death caused by ischemic stress. May enhance growth factor-induced ERK1 and ERK2 phosphorylation. May attenuate NGF-promoted ELK1 phosphorylation in a microtubule-dependent manner.[UniProtKB/Swiss-Prot Function]