

Recombinant Mouse NDRG2 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51959

Size: 10ug, 100ug

Protein Name: Protein NDRG2 (N-myc downstream-regulated gene 2 protein) (Protein Ndr2)

Synonym: Ndr2, Kiaa1248, Ndr2

UniProt ID: Q9QYG0

UniProt Link: www.uniprot.org/uniprotkb/Q9QYG0/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 371 AA

Molecular Weight: 41 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MAELQEVQITEEKPLLPGQTPETAKEAELAARILLDQGQTHSVETPYGSVTFTVYGTPKPKRPAIFTY
HDVGLNYKSCFQPLFRFGDMQEIIQNFRVHVVDAPGMEEGAPVFPLGYQYPSLDQLADMIPCILQYL
NFSTIIGVGVGAGAYILSRALNHPDTEGLVLINIDPNAKGWMDWAAHKLTLTSSIPDMILGHLFSQ
EELSGNSELIQKYRGIIQHAPNLENIELYWNSYNNRRDLNFERGGETTLKCPVMLVVGDQAPHEDAV
VECNSKLDPTQTSFLKMADSGGQPQLTQPGKLTEAFKYFLQGMGYMASSCMTRLRSRRTASLTSA
ASIDGSRSRRTLSQSSESGTLPSGPPGHTMEVSC

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Protein NDRG2 (N-myc downstream-regulated gene 2 protein) (Protein Ndr2) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: Contributes to the regulation of the Wnt signaling pathway. Down-regulates CTNNB1-mediated transcriptional activation of target genes, such as CCND1, and may thereby act as tumor suppressor. May be involved in dendritic cell and neuron differentiation (By similarity).

Subcellular Localization: Cytoplasm . Cytoplasm, perinuclear region . Cell projection, growth cone .
Note=In neurons, seems to concentrate at axonal growth cone. Perinuclear in neurons (By similarity).

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.