

Recombinant human NDRG2 protein

Catalog Number: ATGP1692

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-357aa

UniProt No.

Q9UN36

NCBI Accession No.

NP_963832

Alternative Names

protein NDRG2, SYLD

PRODUCT SPECIFICATION

Molecular Weight

41.8 kDa (381aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea,10% glycerol, 0.1M NaCl

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE,Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

NDRG2, also known as SYLD, is a member of the N-myc downregulated gene family which belongs to the alpha/beta hydrolase superfamily. Expressed at high levels in heart, brain, dendritic cells, salivary gland and skeletal muscle and at lower levels in liver and kidney, NDRG2 is thought to be involved in dendritic and neuronal cell differentiation and outgrowth. It is found in brain lesions of Alzheimer Disease (AD) -affected patients and is thought to be associated with the progression of AD. Recombinant human NDRG2 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

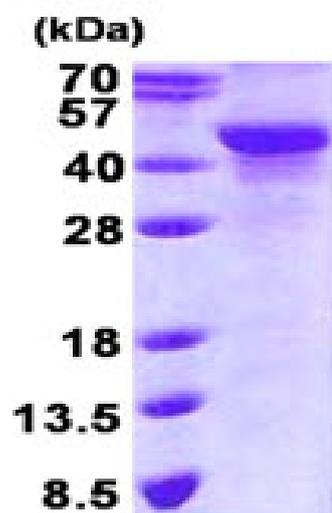
MGSSHHHHHH SSSLVPRGSH MGSMAELQE VQITEEKPLL PGQTPEAAKT HSVETPYGSV TFTVYGTPKP KRPAITYHD
VGLNYKSCFQ PLFQFEDMQE IIQNFVRVHV DAPGMEEGAP VFPLGYQYPS LDQLADMIPC VLQYLNFSIT IGVGVGAGAY
ILARYALNHP DTVEGLVLIN IDPNAKGWMD WAAHKLTGLT SSIPEMILGH LFSQEELSGN SELIQKYRNI ITHAPNLDNI
ELYWNSYNNR RDLNFERGGD ITRCPVMLV VGDQAPHEDA VVECNSKLDP TQTSFLKMAD SGGQPQLTQP GKLTEAFKYF
LQGMGYMASS CMTRLSRRT ASLTSAAASVD GNRSRRTLS QSSSEGLSS GPPGHTMEVS C

General References

Deng Y., et al. (2003) *Int J Cancer*. 106:342-347.
Luis E A., et al. (2005) *Cancer Res*. 65:7121-7126.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)