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.

Recombinant human NDRG2 protein

Catalog Number: ATGP1692

Amino acid Sequence

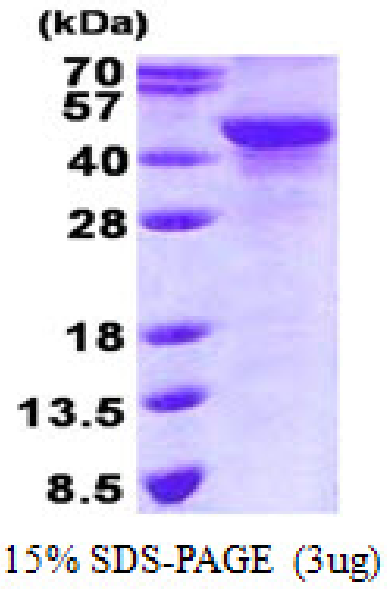
MGSSHHHHHH SSGLVPRGSH MGSHMAELQE VQITEEKPLL PGQTPEAAKT HSVETPYGSV TFTVYGTPKP KRPAILTYHD VGLNYKSCFQ PLFQFEDMQE IIQNFVRVHV DAPGMEEGAP VFPLGYQYPS LDQLADMIPC VLQYLNFSTI IGVGVGAGAY ILARYALNHP DTVEGLVLIN IDPNAKGWMD WAAHKLTGLT SSIPEMILGH LFSQEELSGN SELIQKYRNI ITHAPNLDNI ELYWNSYNNR RDLNFERGGD ITLRCPVMLV VGDQAPHEDA VVECNSKLDP TQTSFLKMAD SGGQPQLTQP GKLTEAFKYF LQGMGYMASS CMTRLSRSRT ASLTSAASVD GNRSRSRTLS QSSESGTLSS GPPGHTMEVS C

General References

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

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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