
Product Data Sheet

Product Name: NDRG2 Human
 Cat. No.: GP24025
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	N-myc downstream-regulated gene 2 protein; NDR1-related protein NDR2; protein NDRG2; NDRG family member 2; cytoplasmic protein Ndr1; syld709613 protein; KIAA1248; SYLD.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAELQE VQITEEKPLL PGQTPEAAKT HSVETPYGSV TFTVYGTPKP KRPAILTYHD VGLNYKSCFQ PLFQFEDMQE IIQNFVRVHV DAPGMEEGAP VFPLGYQYPS LDQLADMIPC VLQYLNFSI IGVGVGAGAY ILARYALNHP DTVEGLVLIN IDPNAKGWMD WAAHKLTLT SSIPEMILGH LFSQEELSGN SELIQKYRNI ITHAPNLDNI ELYWNSYNNR RDLNFERGGD ITRCPVMLV VGDQAPHEDA VVECNSKLDP TQTSFLKMAD SGGQPQLTQP GKLTEAFKYF LQGMGYMASS CMTRLSRSRT ASL TSAASVD GNRSRRTLS QSSESGTLSS GPPGHTMEVS C.		
Formulation	The NDRG2 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 0.4M Urea and 10% glycerol.		

Introduction

NDRG2 belongs to the N-myc downregulated gene family that is a part of the alpha/beta hydrolase superfamily. NDRG2 takes part in dendritic and neuronal cell differentiation and outgrowth and is found in large quantities in heart, dendritic cells, brain, salivary gland and skeletal muscle and in small quantities in kidney and liver. In Alzheimer Disease (AD)-affected patients NDRG2 is found in brain lesions and is believed to be related to the progression of AD.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

NDRG2 Human Recombinant produced in E. coli is a single polypeptide chain containing 381 amino acids (1-357) and having a molecular mass of 41.8 kDa. NDRG2 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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