

Neuronal migration protein doublecortin Recombinant Protein | DCX recombinant protein

Recombinant Human Neuronal migration protein doublecortin

CATALOG #
AAA115849

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

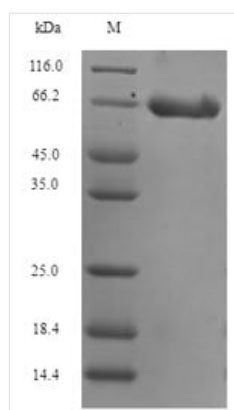
PRODUCT SYNONYMS

Neuronal migration protein doublecortin; Recombinant Human Neuronal migration protein doublecortin; Dublin; Lissencephalin-X; Lis-X; DCX recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-441aa; Full Length
Sequence	MKTLP LSHC TEMQRLLPKL EMLTLGSSFC SLQGEFCQAM DSFTTVSHVG MCEETDASFN VFSPKFQFDR SHCQSLRFHQ NMELDFGHFD ERDKTSRNMGR GSMNGLPSP THSAHCSFYR TRTLQALSNE KKAKKVRFYR NGDRYFKGIV YAVSSDRFRS FDALLADLTR SLSDNINLPQ GVRYYITIDG SRKIGSMDEL EEGESYVCSS DNFFKKVEYT KNVNPNWSVN VKTSANMKAP QSLASSNSAQ ARENKDFVRP KLVTIIRSGV KPRKAVRVLL NKKTAHSFEQ VLTDITEAIK LETGVVKLY TLDGKQVTCL HDTFGDDDFV IACGPEKFRY AQDDFSLDEN ECRVMKGNPS ATAGPKASPT PQKTSKSPG PMRRSKSPAD SANGTSSSQL STPKSKQSPI STPTSPGSLR KHKDLYLPLS LDDSDSLGDS M
Sequence Length	441
Species	Homo sapiens (Human)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for DCX recombinant protein	Microtubule-associated protein required for initial steps of neuronal dispersion and cortex lamination during cerebral cortex development. May act by competing with the putative neuronal protein kinase DCLK1 in binding to a target protein. May in that way participate in a signaling pathway that is crucial for neuronal interaction before and during migration, possibly as part of a calcium ion-dependent signal transduction pathway. May be part with PAFAH1B1/LIS-1 of overlapping, but distinct, signaling pathways that promote neuronal migration.
Product Categories/Family for DCX recombinant protein	Neuroscience
References	"A novel CNS gene required for neuronal migration and involved in X-linked subcortical laminar heterotopia and lissencephaly syndrome." Des Portes V., Pinard J.-M., Billuart P., Vinet M.-C., Koulakoff A., Carrie A., Gelot A., Dupuis E., Motte J., Berwald-Netter Y., Catala M., Kahn A., Beldjord C., Chelly J. Cell 92:51-61(1998)

NCBI AND UNIPROT INFORMATION

NCBI GI #	30181246
NCBI GeneID	1641
NCBI Accession #	NP_000546.2
NCBI GenBank Nucleotide #	NM_000555.3
UniProt Accession #	O43602; O43911; Q5JYZ5; A6NFY6; A9Z1V8; D3DUY8; D3DUY9; D3DUZ0
Molecular Weight	65.3 kDa
NCBI Official Full Name	neuronal migration protein doublecortin isoform a
NCBI Official Synonym Full Names	doublecortin
NCBI Official Symbol	DCX
NCBI Official Synonym Symbols	DC; DBCN; LISX; SCLH; XLIS
NCBI Protein Information	neuronal migration protein doublecortin
UniProt Protein Name	Neuronal migration protein doublecortin
UniProt Gene Name	DCX
UniProt Synonym Gene Names	DBCN; LISX; Lis-X
UniProt Entry Name	DCX_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.