

Recombinant human Dynactin Subunit 2/DCTN2 protein

Catalog Number: ATGP2450

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-403aa

UniProt No.

Q13561

NCBI Accession No.

NP_001248341

Alternative Names

Dynactin 2 isoform 2, dynactin 2

PRODUCT SPECIFICATION

Molecular Weight

46.9 kDa (426aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

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

Dynactin 2, also known as DCTN2, modulates cytoplasmic dynein binding to an organelle, and plays a role in prometaphase chromosome alignment and spindle organization during mitosis. This protein is involved in anchoring microtubules to centrosomes. This protein may play a role in synapse formation during brain development. Recombinant human DCTN2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

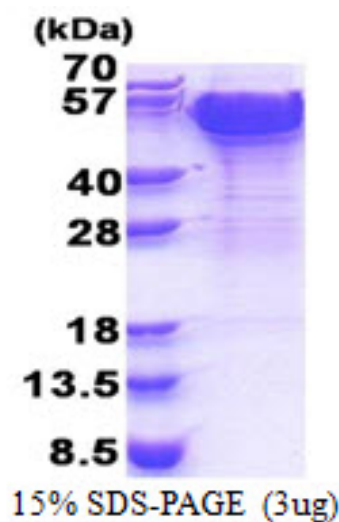
MGSSHHHHHH SSGLVPRGSH MGSMADPKYA DLPGIARNEP DVYETSDLPE DDQAEFDAEL EELTSTSVEH IIVNPNAAYD
KFKDKRVGK GLDFSDRIGK TKRTGYESGE YEMLGEGLV KETPQQKYQR LLHEVQELTT EVEKIKTTVK ESATEEKLTP
VLLAKQLAAL KQQLVASHLE KLLGPDAAIN LTDPDGALAK RLLQLLEATK NSKGGSGGKT TGTPPDSSLV TYELHSRPEQ
DKFSQAAKVA ELEKRLTELE TAVRCDQDAQ NPLSAGLQGA CLMETVELLQ AKVSALDLAV LDQVEARLQS VLGKVNEIAK
HKASVEDADT QSKVHQLYET IQRWSPiAST LPELVQRLVT IKQLHEQAMQ FGQLLTHLDT TQQMIANSLK DNTTLLTQVQ
TTMRENLATV EGNFASIDER MKKLGK

General References

Echeverri C.J., et al. (1996) J. Cell Biol. 132:617-633
Gevaert K., et al. (2003) Nat. Biotechnol. 21:566-569

DATA

SDS-PAGE



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