

DCTN2, 1-403aa, Human, His tag, E.coli

Cat.NO.: TP01842

3th Edition

Synonyms:Dynactin 2 isoform 2, dynactin 2

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.

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

Molecular Weight:46.9kDa (426aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMADPKYADLPGIARNEPDVYETSDLPEDDQAEFDAELEELTSTSVEHIIIVNP
AAYDKFKDKRVGKGLDFSDRIGTKRTGYESGEYEMLGEGLVKQKTPQQKYQRLLEHVQELTTEVEKIKTTVKES
ATEEKLTPVLLAKQLAALKQQLVASHLEKLLGPDAAINLTDPDGALAKRLLLQLEATKNSKGGSGGKTTGTPPDSSL
VTYELHSRPEQDKFSQAAKVAELEKRLTELETAVRCDQDAQNPLSAGLQGAACLMETVELLQAKVSALDLAVLDQVE
ARLQSVLGKVNEIAKHKASVEDADTQSKVHQLYETIQRWSPIASTLPELVQRLVTIKQLHEQAMQFGQLLTHLDTTQ
QMIANSLKDNTLLTQVQTTMRENLATVEGNFASIDERMKKLGK

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.