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32-3682: DNALI1 Recombinant Protein

Alternative Name :	Dynein,Axonemal,Light Intermediate Chain 1,DJ423B22.5 (Axonemal Dynein Light Chain (Hp28)),Inner Dynein Arm Light Chain Axonemal, hp28,P28,Homolog Of Clamydomonas,Axonemal Dynein Light Intermediate Polypeptide 1,dJ423B22.5

Description

Source : Escherichia Coli. DNALI1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 303 amino acids (1-280 a.a) and having a molecular mass of 34.2kDa. DNALI1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Dynein Axonemal Light Intermediate Chain 1 also known as DNALI1 belongs to the inner dynein arm light chain family. DNALI1 take a dynamic role in flagellar motility. DNALI1 is the human homolog of the Chlamydomonas inner dynein arm gene, p28. The exact function of DNALI1 is not known yet, on the other hand, it is a potential candidate for immotile cilia syndrome. In addition it has been found that the following diseases: primary ciliary dyskinesia, and huntington's disease have been associated with DNALI1. Ultrastructural defects of the inner dynein arms are seen in patients with ICS. Immotile mutant strains of Chlamydomonas, biflagellated algae, show similar defects.

Product Info

Amount :	20 µg
Purification :	"Greaterthan 90.0% as determined by SDS-PAGE."
Content :	DNALI1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol, 1mM DTT and 0.1mM PMSF.
Storage condition :	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% HSA or BSA).Please avoid freeze thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMVTANKA HTGQGSCWVA TLASAMIPPA DSLLKYDTPV LVSRNTEKRSPKARLLKVSP QQPGPSGSAP QPPKTKLPST PCVPDPTKQA EEILNAILPP REWVEDTQLW IQQVSSTPSTRMDVVHLQEQ LDLKLQQRQA RETGICPVRR ELYSQCFDEL IREVTINCAE RGLLLLRVRDEIRMTIAAYQ TLYESSVAFG MRKALQAEQG KSDMERKIAE LETEKRDLER QVNEQKAKCE ATEKRESERRQVEEKKHNEE IQFLKRTNQQ LKAQLEGIIA PKK