

AR51231PU-S**Human DNALI1 (1-280, His-tag) - Purified**

Alternate names:	Axonemal dynein light intermediate polypeptide 1, HP28, Inner dynein arm light chain axonemal
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	DNALI1 is the human homolog of the Chlamydomonas inner dynein arm gene, p28. The precise function of this gene is not known, however, it is a potential candidate for immotile cilia syndrome (ICS). Ultrastructural defects of the inner dynein arms are seen in patients with ICS. Immotile mutant strains of Chlamydomonas, a biflagellated algae, exhibit similar defects.
Uniprot ID:	O14645
NCBI:	NP_003453
GeneID:	7802
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT, 0.1mM PMSF
Description:	Recombinant human DNALI1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHH SSGLVPRGSH MGSMTANKA HTGQGSCWVA TLASAMIPPA DSKLKYDTPV LVS RNTEKRS PKARLLKVSP QQPGPSGSAP QPPKTKLPST PCVPDPKQA EEILNAILPP REWVEDTQLW IQQVSSTPST RMDVVHLQEQ LDLKLQQRQA RETGICPVRR ELYSQCFDEL IREVTINCAE RGLLLLRVRD EIRMTIAAYQ TLYESSVAFG MRKALQAEQG KSDMERKIAE LETEKRDLER QVNEQKAKCE ATEKRESERR QVEEKKHNEE IQFLKRTNQQ LKAQLEGIIA PPK Molecular weight: 34.2 kDa (303aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Kastury K., et al (1997). Biochem. J. Clin. Endocrinol. Metab. 82:3047-3053 Sjoebloom T., et al (2006). Science 314:268-274(2006)

Pictures:

