

AR50782PU-S

Human DNAL1 (1-190, His-tag) - Purified

Alternate names:	C14orf168, Dynein light chain 1 axonemal
Quantity:	0.1 mg
Concentration:	1 mg/ml (determined by Bradford assay)
Background:	DNAL1 is an axonemal dynein light chain which functions as a component of the outer dynein arms complex. This complex acts as the molecular motor that provides the force to move cilia in an ATP-dependent manner. DNAL1 is expressed in tissues with motile cilia or flagella and may be involved in the movement of sperm flagella. Alternate splicing results in multiple transcript variants.
Uniprot ID:	Q4LDG9
NCBI:	NP_113615
GeneID:	83544
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 0.4M Urea, 10% glycerol
Description:	Recombinant human DNAL1 protein, fused to His-tag at N-terminus, was expressed in E.coli. AA Sequence: MGSSHHHHH SGLVPRGSH MGSMKATTI KEALARWEEK TGQRPSEAKE IKLYAQIPPI EKMDASLSML ANCEKLSLST NCIEKIANLN GLKNLRILSL GRNNIKNLNG LEAVGDTLEE LWISYNFIEK LKGIHIMKKL KILYMSNNLV KDWAIEFVKLA ELPCLDLVF VGNPLEEKHS AENNWIEEAT KRVPKLKKLD GTPVIKGDEE EDN Molecular weight: 23.9 kDa (213aa)
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:	Horváth J, Fliegau M, et al. (2005). Am J Respir Cell Mol Biol. 33(1):41-7. Lancaster MA, et al. (2009). Curr Opin Genet Dev. 19(3):220-9.

Pictures:

