9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

DNAL1 Human

Dynein Axonemal Light Chain 1 Human Recombinant
RCP0671

Product Overview

Name	DNAL1 Human
Description	
Dynein Axonemal Light Chain 1 Human Recombinant	
Accession (Primary)	Q4LDG9
Synonyms	
Dynein light chain 1, axonemal, C14orf168, CILD16, DNAL1.	
Introduction	
Dynein Axonemal Light Chain 1 (DNAL1) functions as a component of the outer dynein arms complex. DNAL1 acts as the molecular motor which supplies the force to move cilia in an ATP-dependent manner. DNAL1 is expressed in tissues with motile cilia or flagella and takes part in the movement of sperm flagella. Alternate splicing results in numerous transcript variants.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The DNAL1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.	
Stability	
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). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MAKATTI KEALARWEEK TGQRPSEAKE IKLYAQIPPI EKMDASLSML ANCEKLSLST NCIEKIANLN GLKNLRILSL GRNNIKNLNG LEAVGDTLEE LWISYNFIEK LKGIHIMKKL KILYMSNNLV KDWAEFVKLA ELPCLEDLVF VGNPLEEKHS AENNWIEEAT KRVPKLKKLD GTPVIKGDEE EDN.	
Precautions	
DNAL1 Human is for research use only and not for use in diagnostic or therapeutic procedures.	

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Target Information: (Q4LDG9)