
Product Data Sheet

Product Name: DNAL1 Human
 Cat. No.: GP23329
 Batch No.: 1

Product Data

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|---------------------|--|--------------------|-------------------------|
| Purity | >98% | Source | E.coli. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | Dynein light chain 1; axonemal; C14orf168; CILD16; DNAL1. | | |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSH MGSMKATTI KEALARWEEK TGQRPSEAKE IKLYAQIPPI EKMDASLSML ANCEKLSLST NCIEKIANLN GLKNLRILSL GRNNIKNLNG LEAVGDTLEE LWISYNFIEK LKGIHIMKKL KILYMSNNLV KDWAEFVKLA ELPCLDLVF VGNPLEEKHS AENNWIEEAT KRVPKLLKLD GTPVIKGDEE EDN. | | |
| Formulation | The DNAL1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol. | | |

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.

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.

Background

DNAL1 Human Recombinant produced in E. coli is a single polypeptide chain containing 213 amino acids (1-190) and having a molecular mass of 23.9 kDa. DNAL1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic

Caution: Product has not been fully validated for medical applications. For research use only.

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