

Product datasheet for PH300520

Dynein light chain (DNAL4) (NM_005740) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DNAL4 MS Standard C13 and N15-labeled recombinant protein (NP_005731)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200520
Predicted MW:	12 kDa
Protein Sequence:	>RC200520 protein sequence Red=Cloning site Green=Tags(s) MGETEGKKDEADYKRLQTFPLVRHSDMPEEMRVETMELCVTACEKFSNNNESAAKMIKETMDKKFGSSWH VVIGEGFGFEITHEVKNLLYLYFGGTLAVCVWKCS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005731
RefSeq Size:	1504
RefSeq ORF:	315
Synonyms:	MRMV3; PIG27
Locus ID:	10126
UniProt ID:	O96015
Cytogenetics:	22q13.1



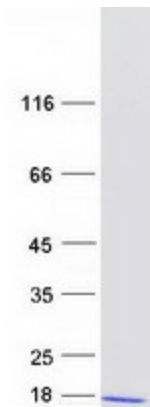
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Summary:

This gene encodes 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. The encoded protein is expressed in tissues with motile cilia or flagella and may be involved in the movement of sperm flagella. [provided by RefSeq, Dec 2014]

Protein Pathways:

Huntington's disease

Product images:

Coomassie blue staining of purified DNAL4 protein (Cat# [TP300520]). The protein was produced from HEK293T cells transfected with DNAL4 cDNA clone (Cat# [RC200520]) using MegaTran 2.0 (Cat# [TT210002]).