

Recombinant Human DNAAF1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DNAAF1-855H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LRRC50 MS Standard C13 and N15-labeled recombinant protein (NP_848547) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is cilium-specific and is required for the stability of the ciliary architecture. It is involved in the regulation of microtubule-based cilia and actin-based brush border microvilli. Mutations in this gene are associated with primary ciliary dyskinesia-13. Alternative splicing results in multiple transcript variants.
Molecular Mass	80 kDa
AA Sequence	MHPEPSEPATGGAAELDCAQEPGVEESAGDHGSAGRGGCKEEINDPKEICVGSSD TSYHSQQKQSGDNGSGGHFAHPREDREDRGPRMTKSSLQKLCKQHKLYITPALND TLYLHFKGFDRIENLEEYTGRLRCLWLQSNIGQKIENLEAQTELRLCLFLQMNLLRKIENL EPLQKLDALNLSNNYIKTIENTLSCLPVLNTLQMAHNLHLETVEDIQHLQECLRLCVLDLS HNKLSDP EILSILESMPDLRVNLNMGNPVIRQIPNYRRTVTVRLKHLTYLDDRPVFPK DRACAEAWARGGYAAEKEERQQWESRERKKITDSIEALAMIKQRAEERKRQRESQ ERGEMTSSDDGENVPASAEGKEEPPGDRETRQKMELFVKESFEAKDELCPERPSG EPPVEAKREDGGPEPEGTLP AETLLLSSPVEVKGEDGDGEPEGTLP AEAPPPPPP VEVKGEDGDQEPEGTLP AETLLLSPPVKVKGEDGDREPEGTLP AEAPPPLPLGAAR

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

EEPTPQAVATEGVFVTELDGTRTEDLETIRLETKETCCIDDLPDLEDDDETGKSLEDQ
 NMCFPKIEVISSLSDSDPELDYTSPLVLENLPTDTLSNIFAVSKDTSKAARVPFTDIF
 KKEAKRDSEIRKQDTKSPRPLIQELSDDEPSGQPLMPPTCQRDAAPLTSTGDRDSD
 FLAASSPVPTESAATPPETCVGVAQPSQALPTWDLTAFPAPKASTRTRPLEQKLISE
 EDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name DNAAF1 dynein axonemal assembly factor 1 [Homo sapiens (human)]

Official Symbol DNAAF1

Synonyms DNAAF1; dynein, axonemal, assembly factor 1; leucine rich repeat containing 50, LRRC50; dynein assembly factor 1, axonemal; CILD13; FLJ25330; ODA7; outer row dynein assembly 7 homolog (Chlamydomonas); leucine rich repeat containing 50; outer row dynein assembly 7 homolog; leucine-rich repeat-containing protein 50; LRRC50; DKFZp434A119;

Gene ID 123872

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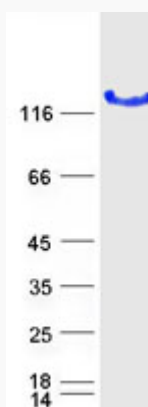
mRNA Refseq NM_178452

Protein Refseq NP_848547

MIM 613190

UniProt ID Q8NEP3

SDS-PAGE



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