

Product datasheet for PH314206

KLC2 (NM_022822) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	KLC2 MS Standard C13 and N15-labeled recombinant protein (NP_073733)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214206
Predicted MW:	68.8 kDa
Protein Sequence:	>RC214206 representing NM_022822 Red=Cloning site Green=Tags(s)

MAMMVFPREEKLSQDEIVLGTKAVIQGLETLRGEHRALLAPLVAPEAGEAEPGSQERCILLRRSLEAIEL
GLGEAQVILALSSHLGAVESEKQKLRAQVRRRLVQENQWLREELAGTQQKLQRSEQAVAQLEEEKQHLLFM
SQIRKLDDEDASPNEEKGDVPKDTLDDLFPNEDEQSPAPSPGGDVSQHGQGGYEIPARLRTLHNLVIQYAS
QGRIYEVAVPLCKQALEDEKTSQGHDPDVATMLNILALVYRDQNKYKEAAHLLNDALAIREKTLGKDHPA
VAATLNNLAVLYGKRGKYKEAEPLCKRALEIREKVLGKFHPDVAKQLSNLALLCQNQGAEEVEYYRRA
LEIYATRLGPDDPNVAKTKNNLASCYLKQGYQDAETLYKEILTRAHEKEFGSVNGDNKPIWMHAEREE
SKDKRRDSAPYGEYGSWYKACKVDSPTVNTTLRSLGALYRRQKLEAAHTLED CASRNRKQGLDPASQTK
VVELLKDGSGRRGDRSSRD MAGGAGPRSESDLEDVGPTAEWNGDGGSGSLRRSGSFGKLRDALRRSSEML
VKKLQGGTPQEPNPRMKRASSLNFLNKSVEEPTQPGGTGLSDSRTLSSSSMDLSRRSSLVG

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_073733
RefSeq Size:	2992
RefSeq ORF:	1866



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Locus ID: 64837

UniProt ID: [Q9H0B6](#)

Cytogenetics: 11q13.2

Summary: The protein encoded by this gene is a light chain of kinesin, a molecular motor responsible for moving vesicles and organelles along microtubules. Defects in this gene are a cause of spastic paraplegia, optic atrophy, and neuropathy (SPOAN) syndrome. [provided by RefSeq, Mar 2016]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified KLC2 protein (Cat# [TP314206]). The protein was produced from HEK293T cells transfected with KLC2 cDNA clone (Cat# [RC214206]) using MegaTran 2.0 (Cat# [TT210002]).