

Product datasheet for **TP314206M**

KLC2 (NM_022822) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human kinesin light chain 2 (KLC2), transcript variant 1, 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC214206 representing NM_022822

Red=Cloning site **Green**=Tags(s)

MAMMVFPREEKLSQDEIVLGTKAVIQGLETLRGEHRALLAPLVAPEAGEAEPGSQERCILLRRSLEAIEL
GLGEAQVILALSSHLGAVESEKQKLRAQVRRLLVQENQWLREELAGTQQKLRSEQAVAQLEEEKQHLLFM
SQIRKLDEEDASPNEEKGDVPKDTLDDLFPNEDEQSPAPSPGGGDVSGQHGGYEIPARLRTLHNLVIQYAS
QGRYEAVPLCKQALEDLEKTSGHDHPDVATMLNILALVYRDQNKYEAAHLLNDALAIREKTLGKDHPA
VAATLNNLAVLYGKRKYKEAEPLCKRALEIREKVLGKFHPDVAKQLSNLALLCQNQGKAEVEVEYYRRA
LEIYATRLGPDDPNVAKTKNNLASCYLKQGKYQDAETLYKEILTRAHEKEFGSVNGDNKPIWMHAEEREE
SKDKRRDSAPYGEYGSWYKACKVDSPTVNTTLRSLGALYRRQGKLEAAHTLEDCASRNKQGLDPASQTK
VVLLKDGSGRRGDRSSRD MAGGAGPRSESDLEDVGPTEAWNGDGSGLRRSGSFGKLRDALRRSSEML
VKKLQGGTQPENPRMKRASSLNFLNKSVEEPTQPGGTGLSDSRTLSSSSMDLSRRSSLVG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 68.8 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.



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|--------------------------|---|
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_073733 |
| Locus ID: | 64837 |
| UniProt ID: | Q9H0B6 |
| RefSeq Size: | 2992 |
| Cytogenetics: | 11q13.2 |
| RefSeq ORF: | 1866 |
| 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]).