

# **Product datasheet for TP314206L**

### OriGene Technologies, Inc.

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# 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, 1 mg

Species: Human Expression Host: HEK293T

**Expression cDNA Clone** >RC214206 representing NM\_022822 or AA Sequence: Red=Cloning site Green=Tags(s)

MAMMVFPREEKLSQDEIVLGTKAVIQGLETLRGEHRALLAPLVAPEAGEAEPGSQERCILLRRSLEAIEL GLGEAQVILALSSHLGAVESEKQKLRAQVRRLVQENQWLREELAGTQQKLQRSEQAVAQLEEEKQHLLFM SQIRKLDEDASPNEEKGDVPKDTLDDLFPNEDEQSPAPSPGGGDVSGQHGGYEIPARLRTLHNLVIQYAS QGRYEVAVPLCKQALEDLEKTSGHDHPDVATMLNILALVYRDQNKYKEAAHLLNDALAIREKTLGKDHPA VAATLNNLAVLYGKRGKYKEAEPLCKRALEIREKVLGKFHPDVAKQLSNLALLCQNQGKAEEVEYYYRRA LEIYATRLGPDDPNVAKTKNNLASCYLKQGKYQDAETLYKEILTRAHEKEFGSVNGDNKPIWMHAEEREE SKDKRRDSAPYGEYGSWYKACKVDSPTVNTTLRSLGALYRRQGKLEAAHTLEDCASRNRKQGLDPASQTK VVELLKDGSGRRGDRRSSRDMAGGAGPRSESDLEDVGPTAEWNGDGSGSLRRSGSFGKLRDALRRSSEML

VKKLQGGTPQEPPNPRMKRASSLNFLNKSVEEPTQPGGTGLSDSRTLSSSSMDLSRRSSLVG

**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.



### KLC2 (NM\_022822) Human Recombinant Protein - TP314206L

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

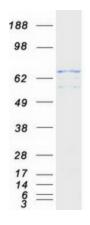
Cytogenetics: 11q13.2 RefSeq ORF: 1866

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]).