

Product datasheet for **TP312710L**

CEP104 (NM_014704) Human Recombinant Protein

Product data:

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|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human KIAA0562 (KIAA0562), 1 mg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC212710 representing NM_014704 Red =Cloning site Green =Tags(s) |

MPHKIGFVVSSSGHEDGFSARELMIHAPT VSGWRSRFCQFPQEIVLQMVERCRIRKLQLLAHQYMISS
KIEFYISESLPEYFAPYQAERFRRLGYVSLCDNEKTGCKARELKSYYVDAVGQFLKLIFHQNHVNKYNIY
NQVALVAINIIGDPADFSDESNTASREKLIDHYLGHNSEDPALEGT YARKSDYISPLDDLA FDMYQDPEV
AQIIRKLDERKREAVQKERYDYAKKLKQAIADLQKVGERLGRYEVEKRC AVEKEDYDLAKEKKQQMEQYR
AEVYEQLELHSLLD AELMRPFDLPLQLARSGSPCHQKPMPSLPQLEERG TENQFAEPFLQEKPSYSYL
TISPQHS AVDPLL PATDPHPKINAESLPYDERPLPAIRKHYGEAVVEPEMSNADISDARRG GMLGEPEPL
TEKALREASSAIDVLGETLVAEAYCKTWSYREDALLALSKKLMEMPVGTPKEDLKN TLRASVFLVRRRAIK
DIVTSVFQASLKLLKMIITQYIPKHKLSKLETAHCVERTIPVLLTRTGDSSARLRVTA ANFIQEMALFKE
VKSLQIIPSYLVQPLKANSSVHLAMSQMGLLARLLKDLGTGSSGFTIDNVMKFSVSALEHRVYEVRETAV
RIILDMYRQH QASILEYLPDDSNTRRNILYKTIFEGFAKIDGRATDAEMRARRKAATEEA EKQKKEEIK
ALQGQLAALKEIQAEVQEKESDAVKPKNQDIQGGKAAPAEALGIPDEHYLDNLCIFCGERSESFTEEGLD
LHYWKHCLMLTRCDHCKQVVEISLSTEHLLTECDKKDGF GKCYRCSEAVFKEELPRHIKHKDCNPAKPEK
LANRCPLCHENFSPGEEAWKAHLMGPAGCTMNLRKTHILQKAPALQPGKSSAVAASGPLGSKAGSKIPT
P
KGGLSKSSSR TYAKR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

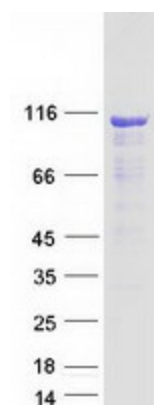
| | |
|----------------|---|
| Tag: | C-Myc/DDK |
| Predicted MW: | 104.3 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |



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| | |
|----------------------|---|
| 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. |
| 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: | <u>NP_055519</u> |
| Locus ID: | 9731 |
| UniProt ID: | <u>O60308</u> |
| RefSeq Size: | 5848 |
| Cytogenetics: | 1p36.32 |
| RefSeq ORF: | 2775 |
| Synonyms: | CFAP256; GlyBP; JBTS25; KIAA0562; ROC22 |
| Summary: | <p>This gene encodes a centrosomal protein required for ciliogenesis and for ciliary tip structural integrity. The mammalian protein contains three amino-terminal hydrophobic domains, two glycosylation sites, four cysteine-rich motifs, and two regions with homology to the glutamate receptor ionotropic, NMDA 1 protein. During ciliogenesis, the encoded protein translocates from the distal tips of the centrioles to the tip of the elongating cilium. Knockdown of the protein in human retinal pigment cells results in severe defects in ciliogenesis with structural deformities at the ciliary tips. Allelic variants of this gene are associated with the autosomal-recessive disorder Joubert syndrome, which is characterized by a distinctive mid-hindbrain and cerebellar malformation, oculomotor apraxia, irregular breathing, developmental delay, and ataxia. [provided by RefSeq, Feb 2016]</p> |

Product images:



Coomassie blue staining of purified CEP104 protein (Cat# [TP312710]). The protein was produced from HEK293T cells transfected with CEP104 cDNA clone (Cat# [RC212710]) using MegaTran 2.0 (Cat# [TT210002]).