

## Product datasheet for **SC338108**

### **KIF20B (NM\_001284259) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	KIF20B (NM_001284259) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIF20B
Synonyms:	CT90; KRMP1; MPHOSPH1; MPP-1; MPP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001284259, the custom clone sequence may differ by one or more nucleotides

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TAA

<b>Restriction Sites:</b>	Sgfl-MluI
<b>ACCN:</b>	NM_001284259
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001284259.1</a></u> , <u><a href="#">NP_001271188.1</a></u>
<b>RefSeq Size:</b>	6459 bp
<b>RefSeq ORF:</b>	5463 bp
<b>Locus ID:</b>	9585
<b>UniProt ID:</b>	<u><a href="#">Q96Q89</a></u>
<b>Cytogenetics:</b>	10q23.31
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>Plus-end-directed motor enzyme that is required for completion of cytokinesis (PubMed:11470801, PubMed:12740395). Required for proper midbody organization and abscission in polarized cortical stem cells. Plays a role in the regulation of neuronal polarization by mediating the transport of specific cargos. Participates in the mobilization of SHTN1 and in the accumulation of PIP3 in the growth cone of primary hippocampal neurons in a tubulin and actin-dependent manner. In the developing telencephalon, cooperates with SHTN1 to promote both the transition from the multipolar to the bipolar stage and the radial migration of cortical neurons from the ventricular zone toward the superficial layer of the neocortex. Involved in cerebral cortex growth (By similarity). Acts as an oncogene for promoting bladder cancer cells proliferation, apoptosis inhibition and carcinogenic progression (PubMed:17409436).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>