

KIFC1 Protein, Human (His)

Cat. No.:	HY-P701381
Synonyms:	KIFC1; Kinesin-like protein KIFC1; Kinesin-like protein 2; Kinesin-related protein HSET
Species:	Human
Source:	E. coli
Accession:	Q9BW19 (Q305-K673)
Gene ID:	3833
Molecular Weight:	

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	KIFC1 protein, a minus end-directed microtubule-dependent motor, plays a crucial role in bipolar spindle formation, as evidenced by its requirement in this process. Additionally, it is implicated in the movement of early endocytic vesicles, suggesting a potential role in intracellular transport. Furthermore, KIFC1 is involved in the regulation of cilium formation and structure. It interacts with NUBP1 and NUBP2, indicating possible associations with cellular processes related to nucleotide binding. Moreover, its interaction with PPP1R42 suggests involvement in regulatory pathways associated with protein dephosphorylation.
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Caution: Product has not been fully validated for medical applications. For research use only.

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