KIF11 Protein, Human (His)

Cat. No.:	HY-P701379
Synonyms:	KIF11; Kinesin-like protein KIF11; Kinesin-like protein 1; Kinesin-like spindle protein HKSP; Kinesin-related motor protein Eg5; Thyroid receptor-interacting protein 5; TR-interacting protein 5; TRIP-5
Species:	Human
Source:	E. coli
Accession:	P52732 (M1-K368)
Gene ID:	3832
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.
Reconsititution	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	The KIF11 protein plays a pivotal role in cellular processes, functioning as a motor protein crucial for the formation of a bipolar spindle during mitosis. Its significance extends beyond mitotic activities, as KIF11 is essential in non-mitotic cells, facilitating the transportation of secretory proteins from the Golgi complex to the cell surface. Notably, KIF11 engages in intricate interactions, including its binding to the thyroid hormone receptor in the presence of thyroid hormone. Moreover, KIF11 is a key component of a substantial chromatin remodeling complex, alongside MYSM1, PCAF, and RBM10, highlighting its involvement in chromatin dynamics. The protein further interacts, specifically via its C-terminus, with the kinase NEK6 during both interphase and mitosis, showcasing its versatile role. Additionally, KIF11 exhibits interactions with RARRES1 and AGBL2, emphasizing its diverse engagement in various cellular pathways.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA