

## KIAA1279 Protein, Human (sf9, His-GST)

Cat. No.:	HY-P77040
Synonyms:	KIF-binding protein; Kinesin family binding protein; KIFBP; KBP
Species:	Human
Source:	Sf9 insect cells
Accession:	Q96EK5 (M1-T621)
Gene ID:	26128
Molecular Weight:	92-102 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 500 mM NaCl, 10% Glycerol, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	KIAA1279 protein is essential for the organization of axonal microtubules, playing a crucial role in axonal outgrowth and maintenance throughout both peripheral and central nervous system development. It engages in interactions with key proteins such as KIF1B, suggesting its involvement in molecular mechanisms associated with axonal transport and dynamics. Additionally, its interaction with STMN2 underscores its potential role in modulating microtubule dynamics, as STMN2 is known to regulate microtubule stability. These interactions emphasize the significance of KIAA1279 in orchestrating the intricate processes that underlie axonal development and maintenance in the nervous system.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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