

Recombinant Human KIF3A

Catalog No: #GP10548



Package Size: #GP10548-1 100ug

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Description

Product Name	Recombinant Human KIF3A
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 355-590 amino acids of human kinesin family member 3A
Target Name	kinesin family member 3A
Other Names	FLA10; KLP-20
Accession No.	Swissprot:Q9Y496Gene Accession:BC045542
Uniprot	Q9Y496
GenID	11127;
Storage	-20~-80°C, pH 7.6 PBS

Background

Kinesin-like protein KIF3A is a protein that in humans is encoded by the KIF3A gene. Members of the heterotrimeric kinesin II family of microtubule associated motors generally contain two different motor subunits from the KIF3 family, which includes KIF3A, B and C. KIF3 isoforms mediate anterograde transport of membrane bound organelles in neurons and melanosomes, transport between the endoplasmic reticulum and the Golgi, and transport of protein complexes within cilia and flagella required for their morphogenesis. KIF3A may influence neurogenesis at the level of embryonic cellular events, where the asymmetry of the genetic control circuit controlling left-right (L-R) axis determination is defined. Loss of KIF3A function in mice photoreceptors causes apoptotic cell death, suggesting that kinesin II mediated transport is required for proper cell fate.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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