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Product datasheet for TP761367

KIF12 (NM_138424) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human kinesin family member 12 (KIF12), full length, with N-terminal GST and C-terminal His tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding human full-length KIF12
Tag:	N-GST and C-His
Predicted MW:	82.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_612433
Locus ID:	113220
UniProt ID:	Q96FN5, B1ALC3
RefSeq Size:	2024
Cytogenetics:	9q32
RefSeq ORF:	1539

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Summary: This gene encodes a member of the kinesin superfamily of microtubule-associated molecular motors with functions related to the microtubule cytosekelton. Members of this superfamily play important roles in intracellular transport and cell division. A similar protein in mouse functions in the beta cell antioxidant signaling cascade, acting as a scaffold for the transcription factor specificity protein 1 (Sp1). Mice that lack this gene exhibit beta cell oxidative stress resulting in hypoinsulinemic glucose intolerance. [provided by RefSeq, Jul 2016]

Protein Families: Druggable Genome

Product images: