

Recombinant Human KIF12 Protein, GST-His-tagged

Cat. No. KIF12-453H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KIF12 fused with N-terminal GST and C-terminal His was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes a member of the kinesin superfamily of microtubule-associated molecular motors with functions related to the microtubule cytoskeleton. 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.
Form	25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1% Sarkosyl.
Molecular Mass	82.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	KIF12 kinesin family member 12 [Homo sapiens]
Official Symbol	KIF12
Synonyms	KIF12; kinesin family member 12; kinesin-like protein KIF12; RP11-56P10.3;
Gene ID	113220
mRNA Refseq	NM_138424
Protein Refseq	NP_612433
MIM	611278
UniProt ID	Q96FN5

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