

Recombinant Human KIF5B protein, His-tagged

Cat. No. KIF5B-317H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KIF5B protein(NP_004512)(662-782 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	662-782 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
AA Sequence	ESVDALSEELVQLRAQEKVHEMEKEHLNKVQTANEVKQAVEQQIQSHRETHQKQIS SLRDEVEAKAKLITDLQDQNQKMMLEQERLRVEHEKCLKATDQEKSRLHELTVMQD RREQARQDL
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.

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Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details).

If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).

Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

GENE INFORMATION

Gene Name	KIF5B kinesin family member 5B [Homo sapiens]
Official Symbol	KIF5B
Synonyms	KIF5B; kinesin family member 5B; KNS1; kinesin-1 heavy chain; KNS; kinesin heavy chain; kinesin 1 (110-120kD); ubiquitous kinesin heavy chain; conventional kinesin heavy chain; KINH; UKHC;
Gene ID	3799
mRNA Refseq	NM_004521
Protein Refseq	NP_004512
MIM	602809
UniProt ID	P33176

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