

Recombinant Human KIF2A protein, GST-tagged

Cat. No. KIF2A-6744H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KIF2A protein(328-679 aa), fused with N-terminal GST tag, was expressed in E. coli.
Species	Human
Source	E. coli
ProteinLength	328-679 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	YKKLELQVYATFFFEIYSGKVFDLLNRKTKLRVLEDGKQQVQVVGVLQEREVKCVEDVL KLIDIGNSCRTSGQTSANAHSSRSHAVFQIILRRKGKLGKFSLIDLAGNERGADTSS ADRQTRLEGAEINKSLLALKECIRALGRNKPHTPFASKLTQVLRDSFIGENSRTCMI ATISPGMASCENTLNTLRYANRVKELTVDPATAAGDVRPIMHHPPNQIDDLETQWGV GSSPQRDDLKLLCEQNEEEVSPQLFTFHEAVSQMVEMEEQVVEDHRAVFQESIRW LEDEKALLEMTEEVVDYDVDSYATQLEAILEQKIDILTELKDKVKSFRALQEEEQASK QINPKRPRAL
Purity	95%, by SDS-PAGE.

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Storage Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name KIF2A kinesin heavy chain member 2A [Homo sapiens]

Official Symbol KIF2A

Synonyms KIF2A; kinesin heavy chain member 2A; KIF2, kinesin heavy chain member 2; kinesin-like protein KIF2A; HK2; kinesin-2; Kinesin, heavy chain, 2; KIF2;

mRNA Refseq NM_001098511

Protein Refseq NP_001091981

MIM 602591

UniProt ID O00139

Gene ID 3796

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SDS-PAGE



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