

# Recombinant Human KIF14 Protein, His-tagged

**Cat. No.** KIF14-2360H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human KIF14 Protein (Ala1520-Val1648) with a N-His tag was expressed in E. coli.                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | Ala1520-Val1648                                                                                                                                                                                                                                                            |
| <b>Description</b>      | This gene encodes a member of the kinesin family of proteins. Members of this family are part of a multisubunit complex that functions as a microtubule motor in intracellular organelle transport. Mutations in this gene cause autosomal dominant spastic paraplegia 10. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 18.1 kDa<br>Accurate Molecular Mass: 18 kDa                                                                                                                                                                                                      |
| <b>Endotoxin</b>        | <1.0 EU per 1g (determined by the LAL method).                                                                                                                                                                                                                             |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                      |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                 |

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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>          | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Storage Buffer</b>   | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                      |
| <b>Reconstitution</b>   | Reconstitute in PBS or others.                                                                                                                                                                                                                                                                                                               |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Name</b>        | KIF14 kinesin family member 14 [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                      |
| <b>Official Symbol</b>  | KIF14                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>         | KIF14; kinesin family member 14; kinesin-like protein KIF14; KIAA0042; MGC142302;                                                                                                                                                                                                                                                            |
| <b>Gene ID</b>          | 9928                                                                                                                                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>      | NM_014875                                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>   | NP_055690                                                                                                                                                                                                                                                                                                                                    |
| <b>MIM</b>              | 611279                                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID</b>       | Q15058                                                                                                                                                                                                                                                                                                                                       |

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