# Recombinant Human KTN1, His-tagged

**Cat. No.** KTN1-27880TH **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant fragment, corresponding to amino acids 1051-1300 of Human Kinectin 1 Isoform 2 with an N terminal His tag; Predicted MWt 30 kDa. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | 1051-1300 a.a. |
| **Description** | This gene encodes an integral membrane protein that is a member of the kinectin protein family. The encoded protein is primarily localized to the endoplasmic reticulum membrane. This protein binds kinesin and may be involved in intracellular organelle motility. This protein also binds translation elongation factor-delta and may be involved in may be involved in the assembly of the elongation factor-1 complex. Alternate splicing results in multiple transcript variants of this gene. |
| **Conjugation** | HIS |
| **Form** | Lyophilised:Reconstitute with 52 µl aqua dest. |
| **Storage buffer** | Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5 |
| **Storage** | Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles. |

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| **Sequences of amino acids** | FPKVSVPSNLSYGEWLHGFEKKAKECMAGTSGSEEVKVLE HKLKEADEMHTLLQL ECEKYKSVLAETEGILQKLQRSV EQEENKWKVKVDESHKTIKQMQSSFTSSEQELE RLRSE NKDIENLRREREHLEMELEKAEMERSTYVTEVRELKAQ LNETLTKLRTEQN ERQKVAGDLHKAQQSLELIQSKIVKAA GDTTVIENSDVSPETESSEKETMSVSLNQT VTQLQQLL QAVNQQLTKEKEHYQVLE |

## GENE INFORMATION

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| **Gene Name** | KTN1 kinectin 1 (kinesin receptor) [ Homo sapiens ] |
| **Official Symbol** | KTN1 |
| **Synonyms** | KTN1; kinectin 1 (kinesin receptor); kinectin; CG1; KIAA0004; |
| **Gene ID** | 3895 |
| **mRNA Refseq** | NM_001079521 |
| **Protein Refseq** | NP_001072989 |
| **MIM** | 600381 |
| **Uniprot ID** | Q86UP2 |
| **Chromosome Location** | 14q22.1 |
| **Pathway** | TNF-alpha/NF-kB Signaling Pathway, organism-specific biosystem; |
| **Function** | molecular_function; receptor activity; |

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