

Recombinant Rat Trak2 Protein, His-tagged

Cat. No. Trak2-484R Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Rat Trak2 Protein (Met1-Gln321) with N-His tag was expressed in E. coli. |
| Species | Rat |
| Source | E.coli |
| ProteinLength | Met1-Gln321 |
| Description | Enables several functions, including GABA receptor binding activity; TPR domain binding activity; and kinesin binding activity. Involved in several processes, including dendritic transport of mitochondrion; endosome to lysosome transport; and generation of neurons. Located in several cellular components, including axonal growth cone; dendrite; and neuronal cell body. Colocalizes with early endosome. Orthologous to human TRAK2 (trafficking kinesin protein 2). |
| Form | Freeze-dried powder |
| Molecular Mass | Predicted Molecular Mass: 40.9 kDa Accurate Molecular Mass: 41 kDa |
| Purity | > 90% |
| Applications | Positive Control; Immunogen; SDS-PAGE; WB. |

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| Stability | 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. |
| Storage | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months. |
| Storage Buffer | PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300. |
| Reconstitution | Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex. |

GENE INFORMATION

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| Gene Name | Trak2 trafficking protein, kinesin binding 2 [<i>Rattus norvegicus</i> (Norway rat)] |
| Official Symbol | Trak2 |
| Synonyms | TRAK2; trafficking protein, kinesin binding 2; trafficking kinesin-binding protein 2; GABA-A receptor interacting factor-1; GABA-A receptor-interacting factor 1; O-GlcNAc transferase-interacting protein of 98 kDa; amyotrophic lateral sclerosis 2 (juvenile) chromosome region candidate 3; amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 3 homolog; amyotrophic lateral sclerosis 2 chromosomal region candidate gene 3 protein homolog; GRIF-1; Als2cr3; MGC93214 |
| Gene ID | 171086 |
| mRNA Refseq | NM_133560 |
| Protein Refseq | NP_598244 |

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UniProt ID

Q8R2H7

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