

Recombinant Rat Trak2 Protein, His-tagged

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

SPECIFICATION

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	
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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