

## Recombinant Mouse Trak2 Protein, His-tagged

**Cat. No.** Trak2-483M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Trak2 Protein (Met1-Gln321) with N-His tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1-Gln321
<b>Description</b>	Predicted to enable several functions, including GABA receptor binding activity; TPR domain binding activity; and cytoskeletal protein binding activity. Involved in anterograde dendritic transport of mitochondrion. Predicted to be located in several cellular components, including axonal growth cone; neuronal cell body; and nucleus. Predicted to be active in cytoplasmic vesicle; dendrite; and mitochondrion. Predicted to colocalize with early endosome. Is expressed in several structures, including central nervous system; genitourinary system; liver; retina nuclear layer; and spleen. Orthologous to human TRAK2 (trafficking kinesin protein 2).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 40.9 kDa Accurate Molecular Mass: 41 kDa
<b>Purity</b>	> 90%

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<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<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, 1 mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	Trak2 trafficking protein, kinesin binding 2 [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	Trak2
<b>Synonyms</b>	TRAK2; trafficking protein, kinesin binding 2; amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 3; GRIF1; OIP98; CALS-C; GRIF-1; Als2cr3; AI480836; AW046271; mKIAA0549; 2900022D04Rik; 4733401O11Rik
<b>Gene ID</b>	70827
<b>mRNA Refseq</b>	NM_172406
<b>Protein Refseq</b>	NP_765994
<b>UniProt ID</b>	Q6P9N8

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