

Recombinant Mouse Trak2 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse Trak2 Protein (Met1-Gln321) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Gln321
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 40.9 kDa Accurate Molecular Mass: 41 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 [Mus musculus (house mouse)]
Official Symbol	Trak2
Synonyms	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
Gene ID	70827
mRNA Refseq	NM_172406
Protein Refseq	NP_765994
UniProt ID	Q6P9N8

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