

Recombinant Mouse Trak1 Protein, Myc/DDK-tagged

Cat. No. Trak1-6623M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length trafficking protein, kinesin binding 1 (Trak1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Involved in the regulation of endosome-to-lysosome trafficking, including endocytic trafficking of EGF-EGFR complexes and GABA-A receptors. Involved in mitochondrial motility. When O-glycosylated, abolishes mitochondrial motility. Crucial for recruiting OGT to the mitochondrial surface of neuronal processes. TRAK1 and RHOT form an essential protein complex that links KIF5 to mitochondria for light chain-independent, anterograde transport of mitochondria.
Molecular Mass	104.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Trak1 trafficking protein, kinesin binding 1 [Mus musculus (house mouse)]
Official Symbol	Trak1
Synonyms	TRAK1; trafficking protein, kinesin binding 1; trafficking kinesin-binding protein 1; hyrt; AI413908; AI467545; mKIAA1042; 2310001H13Rik
Gene ID	67095
mRNA Refseq	NM_175114
Protein Refseq	NP_780323
UniProt ID	Q6PD31

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