

Recombinant Mouse Eipr1 Protein, Myc/DDK-tagged

Cat. No. Eipr1-2795M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length EARP complex and GARP complex interacting protein 1 (Eipr1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Acts as a component of endosomal retrieval machinery that is involved in protein transport from early endosomes to either recycling endosomes or the trans-Golgi network. Mediates the recruitment of Golgi-associated retrograde protein (GARP) complex to the trans-Golgi network and controls early endosome-to-Golgi transport of internalized protein. Promotes the recycling of internalized transferrin receptor (TFRC) to the plasma membrane through interaction with endosome-associated recycling protein (EARP) complex. Controls proper insulin distribution and secretion, and retention of cargo in mature dense core vesicles. Required for the stability of the endosome-associated retrograde protein (EARP) complex subunits and for proper localization and association of EARP with membranes.
Molecular Mass	43.2 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.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
GENE INFORMATION	
Gene Name	Eipr1 EARP complex and GARP complex interacting protein 1 [Mus musculus (house mouse)]
Official Symbol	Eipr1
Synonyms	Eipr1; EARP complex and GARP complex interacting protein 1; Tss; Tssc1; D12Ert604; D12Ert604e; EARP and GARP complex-interacting protein 1; EARP-interacting protein; Golgi-associated retrograde protein-interacting protein; endosome-associated recycling protein-interacting protein; protein TSSC1; tumor suppressing subtransferable candidate 1; tumor-suppressing STF cDNA 1 protein; tumor-suppressing subchromosomal transferable fragment candidate gene 1 protein
Gene ID	380752
mRNA Refseq	NM_201357
Protein Refseq	NP_958745
UniProt ID	Q8K0G5