

Recombinant Mouse Pacs2 Protein, His-tagged

Cat. No. Pacs2-1892M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Pacs2 Protein (Gln599-Phe862) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Gln599-Phe862
Description	Predicted to enable transmembrane transporter binding activity. Predicted to be involved in endoplasmic reticulum calcium ion homeostasis; mitochondrion-endoplasmic reticulum membrane tethering; and protein localization to plasma membrane. Predicted to act upstream of or within protein localization to phagophore assembly site. Predicted to be located in endoplasmic reticulum and mitochondrion. Is expressed in several structures, including diaphragm; limb segment; nervous system; sensory organ; and skeletal musculature. Human ortholog(s) of this gene implicated in developmental and epileptic encephalopathy 66. Orthologous to human PACS2 (phosphofurin acidic cluster sorting protein 2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32 kDa Accurate Molecular Mass: 38 kDa
Purity	> 90%

 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

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, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Pacs2 phosphofurin acidic cluster sorting protein 2 [Mus musculus (house mouse)]
Official Symbol	Pacs2
Synonyms	Pacs2; phosphofurin acidic cluster sorting protein 2; Pacs1l; AW208651; AW489976; mKIAA0602; E230011J22; 6720425G15Rik; phosphofurin acidic cluster sorting protein 2; PACS1-like protein
Gene ID	217893
mRNA Refseq	NM_001291445
Protein Refseq	NP_001278374
UniProt ID	Q3V3Q7

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