

Recombinant Mouse Popdc2 Protein (Ser2-Lys255), N-His tagged

Cat. No. Popdc2-6776M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Popdc2 (Ser2-Lys255) fused with the N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ser2-Lys255
Description	This gene encodes a member of the Popeye domain containing family of membrane proteins. Proteins of this family contain three helical transmembrane domains and a conserved intracellular Popeye domain. In the adult mouse, this gene is expressed at high levels in cardiac myocytes, and mice deficient for this gene develop stress-induced cardiac pacemaker dysfunction. The protein binds to a two-pore domain potassium channel and recruits it to the plasma membrane. Cyclic adenosine monophosphate negatively regulates this interaction through the Popeye domain. Alternative splicing results in multiple transcript variants.
Form	Lyophilized powder/frozen liquid
Molecular Mass	30.28 kDa
Purity	> 90 % as determined by SDS-PAGE

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Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.
GENE INFORMATION	
Gene Name	Popdc2 popeye domain containing 2 [Mus musculus (house mouse)]
Official Symbol	Popdc2
Synonyms	Popdc2; popeye domain containing 2; Pop2; popeye domain-containing protein 2
Gene ID	64082
mRNA Refseq	NM_022318
Protein Refseq	NP_071713
UniProt ID	Q9ES82

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