

Ryanodine receptor 1

Catalog No: #AP79003

Package Size: #AP79003-1 50ug #AP79003-2 100ug #AP79003-3 1mg

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Description

Product Name	Ryanodine receptor 1
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Human
Immunogen Description	Recombinant protein
Other Names	RYDR,Skeletal muscle calcium release channel,Skeletal muscle ryanodine receptor,Skeletal muscle-type ryanodine receptor,Type 1 ryanodine receptor
Accession No.	P21817Gene name:RYR1
Uniprot	P21817
GenID	6261;
Tag Info	His
Formulation	50mM NaH ₂ PO ₄ , 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Calcium channel that mediates the release of Ca(2+) from the sarcoplasmic reticulum into the cytoplasm and thereby plays a key role in triggering muscle contraction following depolarization of T-tubules. Repeated very high-level exercise increases the open probability of the channel and leads to Ca(2+) leaking into the cytoplasm. Can also mediate the release of Ca(2+) from intracellular stores in neurons, and may thereby promote prolonged Ca(2+) signaling in the brain. Required for normal embryonic development of muscle fibers and skeletal muscle. Required for normal heart morphogenesis, skin development and ossification during embryogenesis.

References

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Note: This product is for in vitro research use only