

Recombinant Human Ryanodine receptor 3(RYR3),partial

Catalog No: #AP70734

Package Size: #AP70734-1 20ug #AP70734-2 100ug #AP70734-3 1mg

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Description

Product Name	Recombinant Human Ryanodine receptor 3(RYR3),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:3934-4181aaSequence Info:Partial
Other Names	Brain ryanodine receptor-calcium release channelBrain-type ryanodine receptorType 3 ryanodine receptor
Accession No.	Q15413
Calculated MW	32.5 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	DGKGIISKKEFQKAMEGQKQYTQSEIDFLLSCAEADENDMFNYVDFVDRFHEPAKDIGFNVAVLLTNLSEHMP NDSRLKCLLDPAESVLNYFEPYLGRIEIMGGAKKIERYVFEISESSRTQWEKPQVKESKRQFIFDVVNEGGEQE KMELFVNFCEDTIFEMQLASQISESDSADRPEEEEEDEDSYVLEIAGEEEEEEDGSLEPASAFAMACASVKRNV TDFLKRATLKNLRKQYRNVKMTAKELV
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes: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 Ca²⁺ from the sarcoplasmic reticulum into the cytoplasm in muscle and thereby plays a role in triggering muscle contraction. May regulate Ca²⁺ release by other calcium channels. Calcium channel that mediates Ca²⁺-induced Ca²⁺ release from the endoplasmic reticulum in non-muscle cells. Contributes to cellular calcium ion homeostasis . Plays a role in cellular calcium signaling.1 Publication

References

Characterization of the binding sites for the interactions between FKBP12 and intracellular calcium release channels.Wen H., Kang S., Song Y., Song Y., Yang H.J., Kim M.H., Park S.Arch. Biochem. Biophys. 517:37-42(2012) Research Topic:Neuroscience

Note: This product is for in vitro research use only and is not intended for use in humans or animals.