

Ryanodine receptor 1 (RYR1) Recombinant Protein | RYR1 recombinant protein

Recombinant Human Ryanodine receptor 1 (RYR1), partial

CATALOG # AAA113834	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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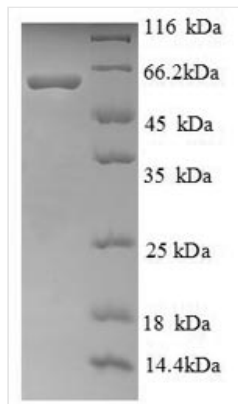
PRODUCT SYNONYMS

Ryanodine receptor 1 (RYR1); Recombinant Human Ryanodine receptor 1 (RYR1); partial; Skeletal muscle calcium release channel; Skeletal muscle ryanodine receptor; Skeletal muscle-type ryanodine receptor; Type 1 ryanodine receptor; RYR1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-534aa; partial
Sequence	MGDAEGEDEV QFLRTDDEVV LQCSATVLKE QLKLCIAAEG FGNRLCFLEP TSNAQNVPPD LAICCFVLEQ SLSVRALQEM LANTVEAGVE SSQGGGHRIL LYGHAILLRH AHSRMYLSCL TTSRSMTDKL AFDVGLQEDA TGEACWWTMH PASKQRSEGE KVRVGDDIIL VSVSSERYLH LSTASGELQV DASFMQTLWN MNPICSRCEE GFVTGGHVLR LFHGHMDECL TISPADSDDQ RRLVYYEGGA VCTHARSLWR LEPLRISWSG SHLRWGQPLR VRHVTTGQYL ALTEDQGLVV VDASKAHTKA TSFCFRISKE KLDVAPKRDV EGMGPPEIKY GESLCFVQHV ASGLWLTYAA PDPKALRLGV LKKKAMLHQE GHMDDALSLT RCQQEESQAA RMIHSTNGLY NQFIKSLDSF SGKPRGSGPP AGTALPIEGV ILSLQDLIIY FEPPSEDLQH EEKQSKLRSL RNRQSLFQEE GMLSMVLNCI DRLNVYTAA HFAEFAGEEA AESWKEIVNL LYELLASLIR GNRS
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for RYR1 recombinant protein	Calcium channel that mediates the release of Ca2+ 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 Ca2+ leaking into the cytoplasm. Can also mediate the release of Ca2+ from intracellular stores in neurons, and may thereby promote prolonged Ca2+ 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.
Product Categories/Family for RYR1 recombinant protein	Transport

References

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NCBI AND UNIPROT INFORMATION

NCBI GI #	113204615
NCBI GeneID	6261
NCBI Accession #	NP_000531.2
NCBI GenBank Nucleotide #	NM_000540.2
UniProt Accession #	P21817; Q16314; Q16368; Q9NPK1; Q9P1U4
Molecular Weight	63.3 kDa
NCBI Official Full Name	ryanodine receptor 1 isoform 1
UniProt Protein Name	Ryanodine receptor 1
UniProt Gene Name	RYR1
UniProt Synonym Gene Names	RYDR; RYR-1; RyR1
UniProt Entry Name	RYR1_HUMAN

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