

RYR1 Protein, Human, Recombinant (His)

General Information

Synonyms:	Skeletal muscle calcium release channel;RYDR;Ryanodine receptor 1;RyR1;Skeletal muscle-type ryanodine receptor;Type 1 ryanodine receptor;Skeletal muscle ryanodine receptor;RYR-1
Protein Construction:	1-534
Species:	Human
Expression Host:	E. coli
Accession:	P21817
Molecular Weight:	65.4 kDa (Predicted)
AA Sequence:	MGDAEGEDEVQFLRTDDEVVLQCSATVLKEQLKLCCLAAEGFGNRLCFLEPTSNAQNVPPDLAICCFVLEQSLS VRALQEMLANTVEAGVESSQGGGHRTLLYGHAILLRHAHSRMYLSCLTTSRSMTDKLAFDVGLQEDATGEAC WWTMHPASKQRSEGEKVRVGGDDIILVSVSSERYLHLSTASGELQVDASFMQTLWNMNPICSRCEEGFVTGG HVLRLFHGHMDECLTISPADSDDQRRLVYEGGAVCTHARSLWRLEPLRISWSGSHLRWGQPLRVRHVTTG QYLALTEDQGLVVVDASKAHTKATSF CFRISKEKLDVAPKRDVEGMGPPEIKYGESLCFVQHVASGLWLTYAA PDPKALRLGVLKKKAMLHQEGHMDDALS LTRCQEEQAARMIHSTNGLYNQFIKSLDSFSGKPRGSGPPA GTALPIEGVILSLQDLIIYFPPSEDLQHEEKQSKLRS LRNRQSLFQEEGMLSMVLNCIDRLNVYTAAHFAEFA GEEAAESWKEIVNLLYELLASLIRGNRS

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it.
Purity:	>85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method. If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.
Formulation:	If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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