

Recombinant Human RYR1 protein, GST-tagged

Cat. No. RYR1-301225H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RYR1 (4942-5038 aa) protein, fused to GST tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gly4942-Ser5038
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.
AA Sequence	GELRDQQEQVKEDMETKCFICGIGSDYFDTPHGFETHLEEHNLANYMFFFLMYLIN KDETEHTGQESYVWKMYQERCWDFFPAGDCFRKQYEDQLS
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Stability	Store for up to 12 months at -20°C to -80°C as lyophilized powder.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

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Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.

Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name	RYR1 ryanodine receptor 1 [Homo sapiens (human)]
Official Symbol	RYR1
Synonyms	CCO; MHS; RYR; MHS1; RYDR; SKRR; RYR-1; PPP1R137
Gene ID	6261
mRNA Refseq	NM_000540
Protein Refseq	NP_000531
MIM	180901
UniProt ID	P21817

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