

Recombinant Human CASQ1 protein, His-tagged

Cat. No. CASQ1-3138H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CASQ1 protein(35-91 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	35-91 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	PEYDGVDRVINVNAKNYKNVFKKYEVLLALLYHEPPEDDKASQRQFEMEELILELAAQ
Purity	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
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.
Reconstitution	Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

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GENE INFORMATION

Gene Name	CASQ1 calsequestrin 1 (fast-twitch, skeletal muscle) [Homo sapiens]
Official Symbol	CASQ1
Synonyms	CASQ1; calsequestrin 1 (fast-twitch, skeletal muscle); CASQ; calsequestrin-1; calmitine; calsequestrin 1; fast twitch; skeletal muscle; PDIB1; calmitin; calsequestrin, skeletal muscle isoform;
Gene ID	844
mRNA Refseq	NM_001231
Protein Refseq	NP_001222
MIM	114250
UniProt ID	P31415

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