

Recombinant Human CALM1 protein, GST-tagged

Cat. No. CALM1-10668H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CALM1 protein(20-139 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	20-139 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	FDKDGDGTITTKELGTVMRSLGQNPTEAELQDMINEVDADGNGTIDFPEFLTMMAR KMKDTSDEEEIREAFRVFDKDGNGYISAAELRHVMTNLGEKLTDEEVDEMIREADID GDGQVNY
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name	CALM1 calmodulin 1 (phosphorylase kinase, delta) [Homo sapiens]
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Official Symbol	CALM1
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Synonyms	CALM1; calmodulin 1 (phosphorylase kinase, delta); CALML2; calmodulin; CAMI; DD132; PHKD; phosphorylase kinase, delta subunit; caM; CALM2; CALM3;
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Gene ID	801
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mRNA Refseq	NM_006888
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Protein Refseq	NP_008819
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MIM	114180
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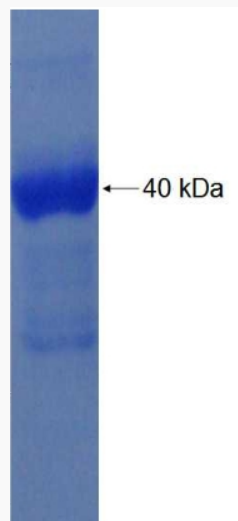
UniProt ID	P62158
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SDS-PAGE



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