

## Recombinant Mouse CALR Protein (18-416 aa), GST-tagged

Cat. No. CALR-377M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse CALR Protein (18-416 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Protein Description: Full Length of Mature Protein.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	18-416 aa
<b>Description</b>	Calcium-binding chaperone that promotes folding, oligomeric assbly and quality control in the endoplasmic reticulum (ER) via the calreticulin/calnexin cycle. This lectin interacts transiently with almost all of the monoglucosylated glycoproteins that are synthesized in the ER. Interacts with the DNA-binding domain of NR3C1 and mediates its nuclear export. Involved in maternal gene expression regulation. May participate in oocyte maturation via the regulation of calcium homeostasis .
<b>Form</b>	Tris-based buffer, 50% glycerol
<b>Molecular Mass</b>	73.3 kDa
<b>AA Sequence</b>	<p>           DPAIYFKEQFLDGDWNTNRWVESKHKSDFGKFLVSSGKFGDLEKDKGLQTSQDA            RFYALSAKFEPFSNKGQTLVVQFTVKHEQNIDCGGGYVKLFPSGLDQKDMHGDSEY            NIMFGPDICPGTCKVHVIFNYKGNVLINKDIRCKDDEFTHLYTLVIRPDNTYEVKID            NSQVESGSLEDDWDFLPPKKIKDPDAAKPEDWDERAKIDDPTDSKPEDWDKPEHIP         </p>

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DPDAKKPEDWDEEMDGEWEPPVIQNPEYKGEWKPRQIDNPDYKGTWIHPEIDNPE  
 YSPDANIYAYDSFAVLGLDLWQVKSGTIFDNFLITNDEAYAEFFGNETWGVTKAAEK  
 QMKDKQDEEQRLKEEEEEDKKRKEEEEAEDKEDDDDRDEDEDEEKEEEDDEEESP  
 GQAKDEL

**Purity** > 90% as determined by SDS-PAGE.

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

**Storage** The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

**Concentration** A hardcopy of COA with concentration instruction is sent along with the products.

## GENE INFORMATION

**Gene Name** [Calr calreticulin \[ Mus musculus \]](#)

**Official Symbol** [CALR](#)

**Synonyms** CALR; calreticulin; CRP55; ERp60; HACBP; CRT; Calregulin;

**Gene ID** [12317](#)

**mRNA Refseq** [NM\\_007591](#)

**Protein Refseq** [NP\\_031617](#)

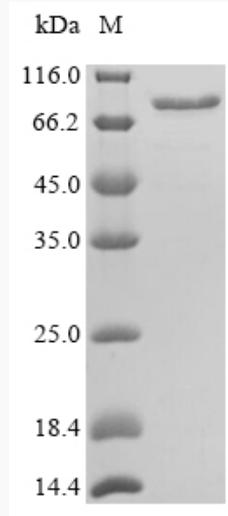
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UniProt ID

P14211



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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