

## Recombinant mouse Calreticulin

Catalog No: #AP72471

Package Size: #AP72471-1 20ug #AP72471-2 100ug #AP72471-3 1mg

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## Description

Product Name	Recombinant mouse Calreticulin
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:18-416aaSequence Info:Full Length
Other Names	CRP55Calregulin;Endoplasmic reticulum resident protein 60 ;ERp60HACBP
Accession No.	P14211
Uniprot	P14211
GeneID	12317;
Calculated MW	48.3 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	<p>DPAIYFKEQFLDGDWNTNRWVESKHKSDFGKFLVSSGKFGYGDLEKDKGLQTSQDARFYALSAKFEPFSNKGQ</p> <p>TLVVQFTVKHEQNIDCGGGYVKLFPSGLDQKDMHGDSEYNIMFGPDICGPGTKKVHVIFNYKGNVLINKDIRC</p> <p>KDDEFTHLYTLIVRPDNTYEVKIDNSQVESGSLEDDWDFLPPKKIKDPDAAKPEDWDERAKIDDPTDSKPEDW</p> <p>DKPEHIPDPDAKKPEDWDEEMDGEWEPPVIQNPEYKGEWKPRQIDNPDYKGTWIHPEIDNPEYSPDANIYAY</p> <p>DSFAVLGLDLWQVKSGTIFDNFLITNDEAYAEFEGNETWGVTKAAEKQMKDKQDEEQLKKEEEDKKRKEEE</p> <p>EAEDKEDDDDRDEDEDEDEKEEEDDEEESPGQAKDEL</p>
Formulation	Tris-based buffer50% glycerol
Storage	<p>The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.</p> <p>Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.</p>

## Background

Calcium-binding chaperone that promotes folding, oligomeric assembly 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 .

## References

Structural and functional relationships between the lectin and arm domains of calreticulin.Pocanschi C.L., Kozlov G., Brockmeier U., Brockmeier A., Williams D.B., Gehring K.J. Biol. Chem. 286:27266-27277(2011)Research Topic:Others

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Note: This product is for in vitro research use only