

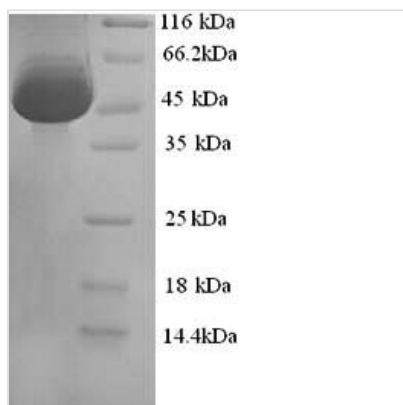


Recombinant Mouse Calreticulin (Calr)

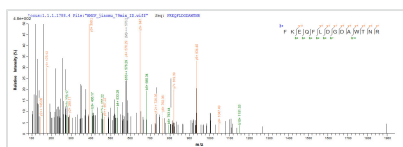
Product Code	CSB-YP004458MO
Relevance	Calcium-binding chaperone that promotes folding, oligomeric assembly and quality control in the endoplasmic reticulum (ER) via the calreticulin/calnexin cycle. This lectin interacts transiently with almost all of the monoglucosylated glycoproteins that are synthesized 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.
Abbreviation	Recombinant Mouse Calr protein
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P14211
Product Type	Recombinant Proteins
Immunogen Species	Mus musculus (Mouse)
Purity	≥ 95% as determined by SDS-PAGE. ≥ 95% as determined by SEC-HPLC.
Sequence	DPAIYFKEQFLDGDWNTNRWVESKHKSDFGKFVLSSGKFYGDLEKDKGLQTS QDARFYALSAKFEPFSNKGQTLVVQFTVKHEQNIDCGGGYVKLFPSGLDQKD MHGDSEYNIMFGPDICGPGTKKVHVIFNYKGNVLINKDIRCKDDEFTHLYTLIV RPDNTYEVKIDNSQVESGSLEDDWDFLPPKKIKDPDAAKPEDWDERAKIDDPT DSKPEDWDKPEHIPDPDAKKPEDWDEEMDGEWEPPIQNPEYKGEWKPRQI DNPDYKGTWIHPEIDNPEYSPDANIYAYDSFAVLGLDLWQVKSQTIFDNFLITN DEAYAEFFGNETWGVTKAAEKQMKDKQDEEQRLKEEEEDKKRKEEEEAEDK EDDDDRDEDEDEDEDEKEEDEEEESPGQAKDEL
Research Area	Others
Source	Yeast
Target Names	Calr
Protein Names	Recommended name: Calreticulin Alternative name(s): CRP55 Calregulin Endoplasmic reticulum resident protein 60 Short name= ERp60 HACBP
Expression Region	18-416aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	48.3kDa
Protein Length	Full Length of Mature Protein



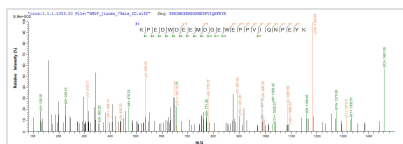
Image



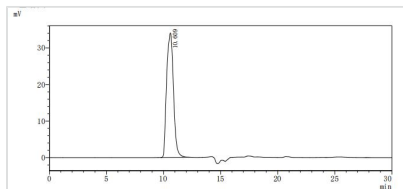
(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of Yeast host and target protein, the LC-MS/MS Analysis result of CSB-YP004458MO could indicate that this peptide derived from Yeast-expressed *Mus musculus* (Mouse) Calr.



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The purity of Calr was greater than 95% as determined by SEC-HPLC

Shelf Life

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