

## Recombinant Human CALR protein, GST-tagged

**Cat. No.** CALR-2625H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CALR protein(P27797)(18-417aa), fused to N-terminal GST tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 18-417aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | <p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.</p>                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 73.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | <p>EPAVYFKEQFLDGDGWTSRWIESKHKSDFGKFVLSSGKFYGDEEKDKGLQTSQDA<br/> RFYALSASFEPFSNKGQTLVVQFTVKHEQNIDCGGGYVKLFPNSLDQTDMHGDSEY<br/> NIMFGPDICGPGTKKVHVIFNYKGKNVLINKDIRCKDDEFTHLYTLIVRPDNTYEVKID<br/> NSQVESGSLEDDWDFLPPKKIKDPDASKPEDWDERAKIDDPTDSKPEDWDKPEHIP<br/> DPDAKKPEDWDEEMDGEWEPPVIQNPEYKGEWKPRQIDNPDYKGTWIHPEIDNPE<br/> YSPDPSIYAYDNFGVLGLDLWQVKS GTIFDNFLITNDEAYAE EFGNETWGVTKAAEK<br/> QMKDKQDEEQRLKEEEEEDKKRKEEEEAEDKEDDEDKDEDEEDEDKEEDEEEDV<br/> P<br/> GQAKDEL</p> |

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|                       |                                                                                                                                                                                                                                                               |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                                                   |
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                |
| <b>Reconstitution</b> | Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CALR calreticulin [ Homo sapiens ]                                                                                                                                                                                                                                      |
| <b>Official Symbol</b> | CALR                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>        | CALR; calreticulin; autoantigen Ro; cC1qR; CRT; FLJ26680; RO; Sicca syndrome antigen A (autoantigen Ro; calreticulin); SSA; CRP55; ERp60; HACBP; grp60; calregulin; endoplasmic reticulum resident protein 60; Sicca syndrome antigen A (autoantigen Ro; calreticulin); |
| <b>Gene ID</b>         | 811                                                                                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>     | NM_004343                                                                                                                                                                                                                                                               |
| <b>Protein Refseq</b>  | NP_004334                                                                                                                                                                                                                                                               |
| <b>MIM</b>             | 109091                                                                                                                                                                                                                                                                  |
| <b>UniProt ID</b>      | P27797                                                                                                                                                                                                                                                                  |

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