

## Recombinant Human ERP27

Catalog No: CA66

<b>Description</b>	Recombinant Human Endoplasmic Reticulum Resident Protein 27 is produced by our Mammalian expression system and the target gene encoding Glu26-Leu273 is expressed with a 6His tag at the C-terminus.
<b>Source</b>	Human Cells
<b>Alternative name</b>	Endoplasmic Reticulum Resident Protein 27; ER Protein 27; ERp27; ERP27; C12orf46
<b>Accession No.</b>	Q96DN0
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH7.4.
<b>Reconstitution</b>	<p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100µg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
<b>Quality Control</b>	<p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.</p>
<b>Shipping</b>	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
<b>Storage</b>	<p>Lyophilized protein should be stored at &lt; -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>
<b>Amino Acid Sequence</b>	<p>EVEKSSDGPAAQEPTWLTDVPAAMEFIAATEVAVIGFFQDLEIPAVPILHSMVQKFPGVSVFGISTDSEVL          THYNITGNTICLFRDVDNEQLNLEDEIDIESIDATKLSRFIEINSLHMTVEYNPVTVIGLFNSVIQIHLLIMNKA          SPEYEENMHRYQKAAKLFQGKILFILVDSGMKENGKVISFFKLKESQLPALAIYQTLDDWDLTPTAEVSV          EHVQNFCDFLSGKLLKENRESEGKTPKVELVDHHHHHH</p>
<b>Background</b>	<p>Endoplasmic reticulum resident protein 27, also known as ER protein 27, C12orf46 and ERP27, is an endoplasmic reticulum luminal protein which is a member of the protein disulfide isomerase family. ERP27 contains one thioredoxin domain and does not contain a CXXC active site motif. ERP27 is widely expressed in many tissues; it has highest expression in pancreas, with lower levels in spleen, lung, kidney, thymus, and bone marrow. ERP27 interacts with PDIA3 and binds somatostatin-14 via hydrophobic interactions. ERP27 may act as a protease, protein disulfide isomerase, thiol-disulfide oxidase or phospholipase.</p>

### SDS-Page

