

# Recombinant Full Length Human GRPEL1 Protein, GST-tagged

**Cat. No.** GRPEL1-5604HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human GRPEL1 full-length ORF ( NP_079472.1, 1 a.a. - 217 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 217 amino acids                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | GRPEL1 (GrpE Like 1, Mitochondrial) is a Protein Coding gene. Diseases associated with GRPEL1 include Human Monocytic Ehrlichiosis and Ehrlichiosis. Among its related pathways are Metabolism of proteins and Mitochondrial protein import. GO annotations related to this gene include protein homodimerization activity and chaperone binding. An important paralog of this gene is GRPEL2. |
| <b>Molecular Mass</b>   | 50.7 kDa                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MAAQCVRRLARRSLPALALSLRPSRLLCTATKQKNSGQNLEEDMGQSEQKADPPAT<br>EKTLLEEKVKLEEQLKETVEKYKRALADTENLRQRSQKLVEEAKLYGIQAFCKDLLEV<br>ADVLEKATQCVPKKEIKDDNPHLKNLYEGLVMTEVQIQKVFTKHGLLKLNPVGAKFD<br>PYEHEALFHTPVVEGKEPGTVALVSKVGYKLHGRTLRLPALVGVVKEA                                                                                                                                                        |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production                                                                                                                                                                                                                                                                                               |

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### Protein Array

|                       |                                                                          |
|-----------------------|--------------------------------------------------------------------------|
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.   |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

|                        |                                                                                                                                                |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | GRPEL1 GrpE-like 1, mitochondrial (E. coli) [ Homo sapiens ]                                                                                   |
| <b>Official Symbol</b> | GRPEL1                                                                                                                                         |
| <b>Synonyms</b>        | GRPEL1; GrpE-like 1, mitochondrial (E. coli); grpE protein homolog 1, mitochondrial; FLJ25609; HMGE; mt-GrpE#1; GrpE-like protein cochaperone; |
| <b>Gene ID</b>         | 80273                                                                                                                                          |
| <b>mRNA Refseq</b>     | NM_025196                                                                                                                                      |
| <b>Protein Refseq</b>  | NP_079472                                                                                                                                      |
| <b>MIM</b>             | 606173                                                                                                                                         |
| <b>UniProt ID</b>      | Q9HAV7                                                                                                                                         |

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