

# Recombinant *Peptoclostridium Difficile* GLUD Protein (1-421 aa), His-SUMO-tagged

**Cat. No.** GLUD-914P    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <b>Product Overview</b> | Recombinant <i>Peptoclostridium Difficile</i> GLUD Protein (1-421 aa) is produced by <i>E. coli</i> expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length.                                                                                                                                                                                                                                                |
| <b>Species</b>          | <i>Peptoclostridium Difficile</i>                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | <i>E. coli</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 1-421 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | 62.0 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MSGKDVNVFEMAQSQVKNACDKLGMEPAVYELLKEPMRVIEVSIPVKMDDGSIKTF<br>KGFRSQHNDVAVGPTKGGIRFHQNVSRDEVKALSIWMTFKCSVTGIPYGGGKGGIIVD<br>PSTLSQGELERLSRGYIDGIYKLIGEKVDVPAPDVNTNGQIMSWMVDEYNKLTGQSS<br>IGVITGKPVEFGGSLGRTAATGFGVAVTAREAAKLGIDMKKAKIAVQGIGNVGSYTV<br>LNCEKLG GTTVVAMAEWCKSEGSYAIYNENGLDGQAMLDYMKEHGNLLNFP GAKRI<br>SLEEFWASDVDIVIPAALENSITKEVAESIKAKLVCEAANGPTTPEADEVFAERGIVLT<br>PDILT NAGGVTVS YFEWVQNLYGYWSEEEVEQKEEIAMVKAFESIWKIKEEYNVTM<br>REAA YMHSIKKVAEAMKLRGWY |
| <b>Purity</b>           | > 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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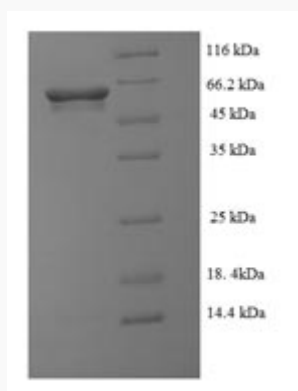
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|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>         | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                                                                                                                                                        |
| <b>Storage</b>       | 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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |
| <b>Concentration</b> | A hardcopy of COA with concentration instruction is sent along with the products.                                                                                                                                                                                                                                   |

## GENE INFORMATION

**UniProt ID** [P27346](#)



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

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