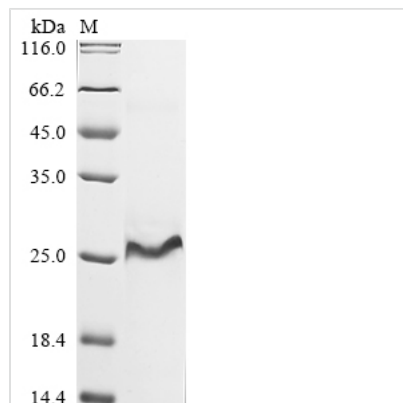




# Recombinant Puccinia triticina Uncharacterized protein (PTTG\_11654)

<b>Product Code</b>	CSB-EP3751GPC
<b>Abbreviation</b>	Recombinant Puccinia triticina PTTG_11654 protein
<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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	A0A180GYK0
<b>Form</b>	Liquid or Lyophilized powder
<b>Storage Buffer</b>	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Puccinia triticina (isolate 1-1 / race 1 (BBBD)) (Brown leaf rust fungus)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	DSAQSNASMSASQPKVSPMQCGNIFLPLSPVDIAEMQSKGGLSASERAKLSK DPVEAVCKSTATGTDGGICDFKSCSGKPAVCGTCYPVTMKEGKLVKTSETSV ASVECGKNYFLKTEKDHNICTAYDNKMYSTGECKASIECQSCVRMDDPAFK QAA
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	PTTG_11654
<b>Expression Region</b>	19-177aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 10xHis-tagged and C-terminal Myc-tagged
<b>Mol. Weight</b>	24.2 kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>Image</b>	



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

## Description

The process of expressing the recombinant *Puccinia triticina* (isolate 1-1 / race 1 (BBBD)) PTTG\_11654 protein includes transfecting *e.coli* cells with a DNA expression vector carrying the gene for the desired protein (19-177aa). Subsequently, the cells are cultured to induce the expression of the intended protein. The protein is equipped with a N-terminal 10xHis tag and C-terminal Myc tag. The recombinant *Puccinia triticina* (isolate 1-1 / race 1 (BBBD)) PTTG\_11654 protein is then collected and purified from the cell lysate through affinity purification, exhibiting a purity exceeding 90%, as verified by SDS-PAGE.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. 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%. Customers could use it as reference.

## Shelf Life

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.