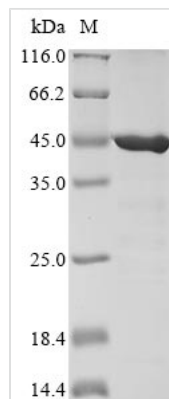




# Recombinant Arabidopsis thaliana Glyceraldehyde-3-phosphate dehydrogenase GAPC1, cytosolic (GAPC1)

<b>Product Code</b>	CSB-EP326578DOA
<b>Abbreviation</b>	Recombinant Mouse-ear cress GAPC1 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>	P25858
<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>	Arabidopsis thaliana (Mouse-ear cress)
<b>Purity</b>	Greater than 85% as determined by SDS-PAGE.
<b>Sequence</b>	MADKKIRIGINGFGRIGRLVARVVLQRDDVELVAVNDPFITTEYMTYMFKYDSV HGQWKHNELKIKDEKTLFGKEPVTVFGIRNPEDIPWAEAGADYVVESTGVFT DKDKAAAHLKGGAKKVVISAPSKDAPMFVVGVNEHEYKSDLDIVSNASCTTNC LAPLAKVINDRFGIVEGLMTTVHSITATQKTVDGPSMKDWRGGRAASFNIIPSS TGAAKAVGKVLPALNGKLTGMSFRVPTVDVSVDLTVRLEKAATYDEIKKAIKE ESEGKLGILGYTEDDVVSTDFVGDNRSSIFDAKAGIALSDKFVKLVSWYDNE WGYSSRVVDLIVHMSKA
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	GAPC1
<b>Expression Region</b>	1-338aa
<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>	44.4 kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



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

## Description

The expression of the recombinant *Arabidopsis thaliana* (Mouse-ear cress) GAPC1 protein entails introducing a DNA expression vector containing the gene for the desired protein (1-338aa) into *e.coli* cells through transformation. Subsequently, the cells are cultured to facilitate the expression of the intended protein. The protein features a N-terminal 10xHis tag and C-terminal Myc tag fusion. The resulting recombinant *Arabidopsis thaliana* (Mouse-ear cress) GAPC1 protein is then gathered and purified from the cell lysate using affinity purification. Its purity, determined by SDS-PAGE, exceeds 85%.

## 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

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