

## Recombinant Baker's yeast Trehalose-phosphatase

Catalog No: #AP72319



Package Size: #AP72319-1 20ug #AP72319-2 100ug #AP72319-3 1mg

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## Description

Product Name	Recombinant Baker's yeast Trehalose-phosphatase
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:11-243aaSequence Info:Partial
Other Names	Trehalose synthase complex catalytic subunit TPS2Trehalose-6-phosphate phosphatase ;TPP
Accession No.	P31688
Uniprot	P31688
GeneID	851646;
Calculated MW	31.8 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	KKRQRIINCVTQLPYKIQLGESNDDWKISATTGNSALFSSLEYLQFDSTEYEQHVVGWTGEITRTERNLFTREA KEKPQDLDDDDPLYLTKEQINGLTTTLQDHMKSDKEAKTDTTQTAPVTNNVHPVWLLRKNQSRWRNYAEKVIW PTFHYLNPSNEGEQEKNWWDYVVFNEAYAQAQKIGEVYRKGDIWIHDYLLLLPQLLRMKFNDESIIIGYFHHA PWPSNEYFRCLP
Formulation	Tris-based buffer50% glycerol
Storage	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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Phosphatase catalytic subunit of the trehalose synthase complex that catalyzes the production of trehalose from glucose-6-phosphate and UDP-glucose in a two step process.

## References

Disruption of TPS2, the gene encoding the 100-KDA subunit of the trehalose-6-phosphate synthase,phosphatase complex in *Saccharomyces cerevisiae*, causes accumulation of trehalose-6-phosphate and loss of trehalose-6-phosphate phosphatase activity.de Virgilio C., Buerckert N., Bell W., Jenoe P., Boller T., Wiemken A.Eur. J. Biochem. 212:315-323(1993)Research Topic:Others

Note: This product is for in vitro research use only