

## Recombinant human Profilin-1

Catalog No: #AP71846

Package Size: #AP71846-1 20ug #AP71846-2 100ug #AP71846-3 1mg

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## Description

Product Name	Recombinant human Profilin-1
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-140aaSequence Info:Full Length
Other Names	Epididymis tissue protein Li 184aProfilin I
Accession No.	P07737
Uniprot	P07737
GeneID	5216;
Calculated MW	41.9 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	AGWNAVYIDNLMADGTCQDAAIVGYKDSPSVWAAVPGKTFVNITPAEVGVLVGKDRSSFYVNGLTLGGQKCSV IRDLLQDGEFSMDLRTKSTGGAPTFNVTVTDKTLVLLMGKEGVHGGLINKKCYEMASHLRRSQY
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

Binds to actin and affects the structure of the cytoskeleton. At high concentrations, profilin prevents the polymerization of actin, whereas it enhances it at low concentrations. By binding to PIP<sub>2</sub>, it inhibits the formation of IP<sub>3</sub> and DG. Inhibits androgen receptor (AR) and HTT aggregation and binding of G-actin is essential for its inhibition of AR.

## References

Human profilin. Molecular cloning, sequence comparison, and chromosomal analysis.Kwiatkowski D.J., Bruns G.A.P.J. Biol. Chem. 263:5910-5915(1988)Research Topic:Neuroscience

Note: This product is for in vitro research use only