

FOR IN VITRO RESEARCH USE ONLY.  
NOT FOR USE IN HUMANS OR ANIMALS.

# Recombinant human APTX protein



## Basic Information

### Catalog Number:

Ag24945

### Size:

50 µg

### Form:

Available lyophilized

### Species:

human

### Expression Source:

*e coli*-derived, PGEX-4T, with N-terminal GST.

### Biological Activity:

Not tested

### Endotoxin Level:

Please contact the lab for more information

### Peptide Sequence:

MMRV CWLV RQDS RHQR IRLP HLEAV VIGR GPET KITD  
KKCS RQQV QLKAE CNKG YVKV KQVG VNPT SIDSVI  
GKDQ EVKL QPGQ VLHM VNEL YPIV EFEE EAKN PGLE  
THRKR KRS GNSD SIER DAAQ EAEAGT GLEPGS NSGQ  
CSVPL KKGK DAPI KKESL

(1-164 aa encoded by BC104881)

## Reconstitution and Storage

### Reconstitution:

Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.

After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage (see Stability and Storage for more details).

If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).

Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

### Shipping:

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the recommended temperature (see below).

## Purity

80%, by SDS-PAGE with Coomassie Brilliant Blue staining.

## Formulation

The purified protein was Lyophilized from sterile PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100mM GSH.

## Stability and Storage

Store for up to 12 months at -20°C to -80°C as lyophilized powder.

## Storage of Reconstituted Protein

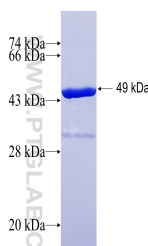
### Short Term Storage:

Store at 2-8°C for (1-2 weeks).

### Long Term Storage:

Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

## Selected Validation Data



For technical support and original validation data for this product please contact:

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