

## AFP2 Protein, Raphanus sativus, Recombinant (His & SUMO)

### General Information

Synonyms:	Cysteine-rich antifungal protein 2 (AFP2;RAFP2);AFP2;Defensin-like protein 2
Protein Construction:	30-80 aa
Species:	Raphanus sativus
Expression Host:	E. coli
Accession:	P30230
Molecular Weight:	21.7 kDa (predicted)
AA Sequence:	QKLCQRPSGTWSGVCGNNNACKNQICIRLEKARHGSCNYVFPAAHKCICYFPC

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

### Preparation and Storage

#### Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Possesses antifungal activity sensitive to inorganic cations. Induces potential changes in fungal membranes and increased K(+) efflux and Ca(2+) uptake.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

**This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use**

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481