

## PSIP1 Protein, Human, Recombinant (His &amp; SUMO)

## General Information

**Synonyms:** Lens epithelium-derived growth factor;Dense fine speckles 70 kDa protein (DFS 70);PSIP1; Transcriptional coactivator p75/p52;LEDGF;PC4 and SFRS1-interacting protein;CLL-associated antigen KW-7;DFS70;PSIP2

**Protein Construction:** 1-530 aa

**Species:** Human

**Expression Host:** E. coli

**Accession:** O75475

**Molecular Weight:** 76.1 kDa (predicted)

**AA Sequence:**  
MTRDFKPGDLIFAKMKGYPHWPARVDEVPDGAVKPPTNKLPIFFFGTHETAFLGPKDIFPYSENKEKYGKPNK  
RKGFNELWEIDNPNKVKFSSQQAATKQSNASSDVEVEEKETSVSKEEDTDHEEKASNEVDTKAVDITTPKAA  
RRGRKRKAQVETEEAGVTTATASVNLKVSPPKGRPAATEVKIPKPRGRPKMVKQPCPSESIIITEEDKSKK  
KGQEEKQPKKQPKKDEEGQKEEDKPRKEPKKEGKKEVESKRKNLAKTGVTSTSDSEEEGDDQEGEKRRKG  
GRNFQTAHRRNMLKGQHEKEAADRKRKQEEQMETEQNKDEGKKPEVKKVEKKRETSMD SRLQRIHAEIK  
NSLKIDNLDVNRCEALDELASLQVTMQQAQKHEMITLKKIRRFKVSQVIMEKSTMLYNKFKNMFLVGEED  
SVITQVLNLSLAEQRQHEEANKTKDQGGKGNKLEKEQTGSKTLNNGGSDAQDGNQPQHNGESNEDSKDN  
HEASTKKKPSSEERETEISLKDSTLDN

## 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**

Transcriptional coactivator involved in neuroepithelial stem cell differentiation and neurogenesis. Involved in particular in lens epithelial cell gene regulation and stress responses. May play an important role in lens epithelial to fiber cell terminal differentiation. May play a protective role during stress-induced apoptosis. Isoform 2 is a more general and stronger transcriptional coactivator. Isoform 2 may also act as an adapter to coordinate pre-mRNA splicing. Cellular cofactor for lentiviral integration.

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

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