

Prolactin-Induced Protein Human

Item Number	rAP-2450
Synonyms	Prolactin-inducible protein, Gross cystic disease fluid protein 15, GCDFP-15, Prolactin-induced protein, Secretory actin-binding protein, SABP, gp17, PIP, GCDFP15, GPIP4.
Description	The Prolactin-Induced Protein produced from Human Seminal Plasma has a molecular mass of 13.52kDa (calculated without glycosylation) containing 118 amino acid residues.
Uniprot Accession Number	P12273
Amino Acid Sequence	QDNTRKIIK NFDIPKSVRP NDEVTAVLAV QTELKECMVV KTYLISSIP LQGAFNYKYTA CLCDDNPKTF YWDFYTNRTV QIAAVVDVIR ELGICPDDAA VIPIKNRFRY TIEILKVE.
Source	Human Seminal Plasma.
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Formulation and Purity	PIP protein filtered (0.4µm) and lyophilized in 0.5mg/ml in 0.05M phosphate buffer and 0.075M NaCl pH 8.0. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. PIP is not sterile! Please filter the product by an appropriate sterile filter before using it in t
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**