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## Product Data Sheet

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Product Name: PAIP2 Human  
 Cat. No.: GP24121  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Poly(A) Binding Protein Interacting Protein 2; PABP- interacting protein 2; HSPC218; PAIP-2; PAIP2A; Polyadenylate-binding protein-interacting protein 2; PAIP2; MGC72018.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MKDPSRSSTS PSIINEDVII NGHSHEDDNP FAEYMWME EEFNRQIEEE LWEEEFIERC FQEMLEEEEE HEWFIPARDL PQTMDQIQDQ FNDLVISDGS SLEDLVVKS LNPNAKEFVP GVKYGN I.		
Formulation	The PAIP2 protein solution contains 20mM Tris-HCl, pH-8, 1mM DTT & 10% Glycerol.		

### Introduction

PAIP2 has a role as a repressor in the regulation of translation initiation of poly(A)-containing mRNAs. PAIP2 inhibitory activity on translation is mediated through its action on PABPC1. PAIP2 displaces the interaction of PABPC1 with poly(A) RNA and competes with PAIP1 for binding to PABPC1. PAIP2 association with PABPC1 results in disruption of the cytoplasmic poly(A) RNP structure organization.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

Recombinant Human PAIP2 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 147 amino acids (1-127 a.a.) and having a molecular mass of 17.1 kDa. PAIP2 human recombinant is fused to 20 amino acid His Tag at N-terminus and purified by conventional chromatography techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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