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PAIP2 Human

Catalog #:PRPS-755

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Description: 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 convential chromatogrpahy techniques.

Synonyms: Poly(A) Binding Protein Interacting Protein 2, PABP- interacting protein 2, HSPC218, PAIP-2, PAIP2A, Polyadenylate-binding protein-interacting protein 2, PAIP2, MGC72018.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MKDPSRSSTS PSIINEDVII NGHSHEDDNP FAEYMWMENE EEFNRQIEEE LWEEEFIERC FQEMLEEEEE HEWFIPARDL PQTMDQIQDQ FNDLVISDGS SLEDLVVKSN LNPNAKEFVP GVKYGNI.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:
The PAIP2 protein solution contains 20mM Tris-HCl, pH-8, 1mM DTT & 10% Glycerol.

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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

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 throµgh 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.

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