



**Catalog Number:** PR27210

**Product Type:** Recombinant Protein

**Source:** *E. Coli*

**Amino Acid Sequence:** MGSSHHHHHH SSSLVPRGSH MGCSGPVDSE CPPPPSSPVH KAELEKKLSS ERPSSDGEV VENGITTCNG KEQVKRKKSS KSEAKGTVSK VTGKKITKII SLGKKKSTD EQTSSAEDV PTCGYLNVLS NSRWREWRWCR VKDNKLIFHK DRTDLKTHIV SIPLRGCEVI PGLDCKHPLT FRLLRNGQEV AVLEASSSED MGRWIGILLA ETGSSTDPEA LHYDYIDVEM SASVIQTAKQ TFCFMNRRVI SANPYLGGTS NGYAHPSGTA LHYDDVPCIN GSLRGKKPPV ASNGVTGK GK TLSSQPKKAD PAAVVKRTGS NAAQYKYGKN RVEADAKRLQ TKEEELLKRK EALRNRLAQL.

**Description/Molecular Mass:** Actin Filament Associated Protein 1 (AFAP1) is a Src binding partner. AFAP1 is a possible modulator of actin filament integrity in response to cellular signals, and is also playing a role as an adaptor protein by connecting Src family members to actin filaments. AFAP1 takes part in the development and progression of prostate adenocarcinoma by regulating cell-matrix adhesions and migration in the cancer cells.

AFAP1 Human Recombinant produced in *E. coli* is a single polypeptide chain containing 360 amino acids (250-588) and having a molecular mass of 39.2 kDa.

AFAP1 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Purity:** Greater than 80.0% as determined by:  
(a) Analysis by SDS-PAGE.

**Format:** The AFAP1 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.

**Storage:** 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.

### FOR RESEARCH USE ONLY

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