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## Product Data Sheet

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Product Name: AFAP1 Human  
 Cat. No.: GP22683  
 Batch No.: 1

### Product Data

|                     |  |                    |                         |
|---------------------|--|--------------------|-------------------------|
| Purity              | >98%   | Source             | E.coli.                 |
| Physical Appearance | solid  | Shipping Condition | Shipped with Ice Packs. |
| Synonyms            | Actin filament-associated protein 1; 110 kDa actin filament-associated protein; AFAP-110; AFAP1; AFAP; Actin Filament Associated Protein 1.  |                    |                         |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSH MGCSGPVDSE CPPPPSSPVH KAELEKKLSS<br>ERPSSDGEGV VENGITTCNG KEQVKRKKSS KSEAKGTVSK VTGKKITKII<br>SLGKKKPSTD EQTSSAEEDV PTCGYLNVLS NSRWRERWCR VKDNKLIFHK<br>DRTDLKTHIV SIPLRGCEVI PGLDCKHPLT FLLRNGQEV AVLEASSSED<br>MGRWIGILLA ETGSSTDPEA LHYDYIDVEM SASVIQTAKQ TFCFMNRRVI<br>SANPYLGGTS NGYAHPSGTA LHYDDVPCIN GSLRGKKPPV ASNGVTGKGGK<br>TLSSQPKKAD PAAVVKRTGS NAAQYKYGKN RVEADAKRLQ TKEEELLKRK<br>EALRNRLAQL. |                    |                         |
| Formulation         | The AFAP1 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.   |                    |                         |

### Introduction

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.

### 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

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

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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.

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