

## Product datasheet for **AR09259PU-L**

### Profilin-1 / PFN1 (1-140) Human Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Profilin-1 / PFN1 (1-140) human recombinant protein, 0.5 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MAGWNAYIDN LMADGTCQDA AIVGYKDSPS VWAAVPGKTF VNITPAEVLV LVGKDRSSFY VNGTLGGQK CSVIRDSLLQ DGEFSMDLRT KSTGGAPTFN VVTKTDKTL VLLMGKEGVH GGLINKKCYE MASHLRRSQY
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>95% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol
<b>Endotoxin:</b>	< 1.0 EU per 1 µg of protein (determined by LAL method )
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant Profilin1 protein was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Storage:</b>	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch
<b>RefSeq:</b>	<a href="#">NP_005013</a>
<b>Locus ID:</b>	5216
<b>UniProt ID:</b>	<a href="#">P07737</a>
<b>Cytogenetics:</b>	17p13.2
<b>Synonyms:</b>	ALS18



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**Summary:**

This gene encodes a member of the profilin family of small actin-binding proteins. The encoded protein plays an important role in actin dynamics by regulating actin polymerization in response to extracellular signals. Deletion of this gene is associated with Miller-Dieker syndrome, and the encoded protein may also play a role in Huntington disease. Multiple pseudogenes of this gene are located on chromosome 1. [provided by RefSeq, Jul 2012]

**Protein Families:**

Druggable Genome, Stem cell - Pluripotency

**Protein Pathways:**

Regulation of actin cytoskeleton

**Product images:**