

Recombinant Human Profilin Family, Member 4, His-tagged

Cat. No. PFN4-2045H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Profilin-4, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques, 16.4 kDa (149aa).
Species	Human
Source	<i>E.coli</i>
Description	HRAS, also known as GTPase HRas, belongs to the Ras family which function in signal transduction pathways. This protein can bind GTP and GDP, and it has intrinsic GTPase activity. HRAS undergoes a continuous cycle of de- and re-palmitoylation, which regulates its rapid exchange between the plasma membrane and the Golgi apparatus. It also may play a role in regulating the kinetics of signaling in the phototransduction cascade. Defects in HRAS are implicated in a variety of cancers, including bladder cancer, follicular thyroid cancer, and oral squamous cell carcinoma.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol.
Purity	> 95% by SDS - PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MSHLQSLLLD TLLGTKHVDS AALIKIQERS LCVASPGFNV TPSDVRTLNV GFAKNPLQAR REGLYFKGKDYRCVRADEYS LYAKNENTGV VVKTHLYLL VATYTEGMYP SICVEATESL GDYLRKKGS.

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Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

PFN4 profilin family, member 4 [Homo sapiens]

Synonyms

profilin family, member 4; PFN4; profilin-4; profilin IV; Profilin IV

Gene ID

375189

mRNA Refseq

NM_199346

Protein Refseq

NP_955378

UniProt ID

profilin IV

**Chromosome
Location**

2p23.3

Pathway

Regulation of actin cytoskeleton

Function

actin binding

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