

Recombinant Human PFN1 Protein (mutant C71G)

Cat. No. PFN1-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PFN1 Protein (mutant C71G) without tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	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.
Molecular Mass	~16.1 kDa, reducing conditions
AA Sequence	MAGWNAYIDNLMADGTCQDAAIVGYKDSPSVWAAVPGKTFVNITPAEVGVLVGKDR SSFYVNGLTLLGGQKGSVIRDSLLQDGEFSMDLRKSTGGAPTFNVTVTKTDKTLVLL MGKEGVHGGGLINKKCYEMASHLRRSQYLEHHHHHHH
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	0.28 mg/mL

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Storage Buffer Supplied as a 0.2 µm filtered solution in 30mM Tris, 300 mM NaCl, pH9.0

GENE INFORMATION

Gene Name	PFN1 profilin 1 [Homo sapiens (human)]
Official Symbol	PFN1
Synonyms	PFN1; profilin 1; ALS18; profilin-1; epididymis tissue protein Li 184a; profilin I
Gene ID	5216
mRNA Refseq	NM_005022
Protein Refseq	NP_005013
MIM	176610
UniProt ID	P07737

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**SDS-PAGE analysis
of purified protein**



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