

Recombinant Full Length Human PI3 Protein, C-Flag-tagged

Cat. No. PI3-1204HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PI3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes an elastase-specific inhibitor that functions as an antimicrobial peptide against Gram-positive and Gram-negative bacteria, and fungal pathogens. The protein contains a WAP-type four-disulfide core (WFDC) domain, and is thus a member of the WFDC domain family. Most WFDC gene members are localized to chromosome 20q12-q13 in two clusters: centromeric and telomeric. This gene belongs to the centromeric cluster. Expression of this gene is upregulated by bacterial lipopolysaccharides and cytokines.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	9.9 kDa
AA Sequence	MRASSFLIVVVFLIAGTLVLEAAVTGVPVKGQDTVKG RVPFNGQDPVKGQVSVKGGQ DKVKAQEPVKG PVS TKPGSCPIILIRCAMLNPPNRCLKDTCPGIKKCEGSCGMACFVPQTRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Secreted Protein, Transmembrane
Full Length	Full L.

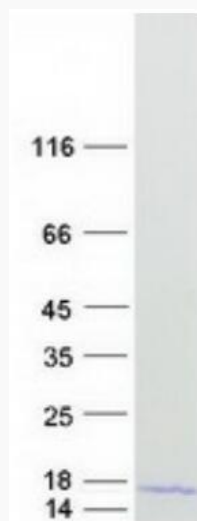
GENE INFORMATION

Gene Name	PI3 peptidase inhibitor 3 [Homo sapiens (human)]
Official Symbol	PI3
Synonyms	ESI; WAP3; SKALP; WFDC14; cementoin
Gene ID	5266
mRNA Refseq	NM_002638.4
Protein Refseq	NP_002629.1
MIM	182257
UniProt ID	P19957

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Coomassie blue staining of purified PI3 protein.

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