

Product datasheet for **TP720751XL**

PI3 (NM_002638) Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Human peptidase inhibitor 3, skin-derived (PI3) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | Ala23-Gln117 |
| Tag: | C-His |
| Predicted MW: | 11 kDa |
| Purity: | >95% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | Provided lyophilized from a 0.2 μ m filtered solution of 20 mM Tris-HCl, 150 mM NaCl |
| Endotoxin: | Endotoxin level is < 0.1 ng/ μ g of protein (< 1 EU/ μ g) |
| Storage: | Store at -80°C. |
| Stability: | Stable for at least 3 months from date of receipt under proper storage and handling conditions. |
| RefSeq: | NP_002629 |
| Locus ID: | 5266 |
| UniProt ID: | P19957 |
| RefSeq Size: | 579 |
| Cytogenetics: | 20q13.12 |
| RefSeq ORF: | 351 |
| Synonyms: | cementoin; ESI; SKALP; WAP3; WFDC14 |



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Summary:

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. [provided by RefSeq, Oct 2014]

Protein Families:

Secreted Protein, Transmembrane