

# Recombinant Human SERPINA10 protein, His-tagged

**Cat. No.** SERPINA10-2588H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Product Overview</b> | Recombinant Human SERPINA10 protein(1-444 aa), fused with N-terminal His tag, was expressed in E.coli.                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 1-444 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Form</b>             | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients.                                                                                                                                                                              |
| <b>AASequence</b>       | MKVVPSLLLSVLLAQVWLVPGLAPSPQSPETPAPQNQTSRVVQAPKEEEEDEQEAS<br>EEKASEEEKAWLMASRQQLAKETSNFGFSLLRKISMRHDGNMVFSPFGMSLAMTG<br>LMLGATGPTETQIKRGLHLQALKPTKPGLLPSLFKGLRETLNRNLELGLTQGSFAFIH<br>KDFDVKETFFNLKRYFDTECVPMNFRNASQAKRLMNHYINKETRGIKPKLFDEINP<br>ETKLILVDYILFKGKWLTDPDPVFTEVDTFHLDKYKTIKVPMMYGAGKFASTFDKNFR<br>CHVLKLPYQGNATMLVVLMEKMGDHLALEDYLTDDLVTWLRNMKTRNMEVFFPKF<br>KLDQKYEMHELLRQMGIRIRIFSPFADLSELSATGRNLQVSRVLQRTVIEVDERGTEA<br>VAGILSEITAYSMPPVIKVDRPFHFMIEETSGMMLLFLGRVVNPTLL |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                                                                                                                                                                                |

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|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.                                                                                                                                                                                                     |
| <b>Reconstitution</b>   | Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.                                                                                                                                                                   |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Gene Name</b>        | SERPINA10 serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 10 [ Homo sapiens ]                                                                                                                                                                                                                                                                                           |
| <b>Official Symbol</b>  | SERPINA10                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Synonyms</b>         | SERPINA10; serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 10; serine (or cysteine) proteinase inhibitor, clade A (alpha 1 antiproteinase, antitrypsin), member 10; protein Z-dependent protease inhibitor; PZI; ZPI; serpin A10; PZ-dependent protease inhibitor; serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 10; |
| <b>Gene ID</b>          | 51156                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>      | NM_001100607                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Protein Refseq</b>   | NP_001094077                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>MIM</b>              | 605271                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>UniProt ID</b>       | Q9UK55                                                                                                                                                                                                                                                                                                                                                                                                    |

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