

Active Recombinant Human SERPINA4, His-tagged

Cat. No. SERPINA4-185H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SERPINA4 (Accession # AAA59454) Gln21-Pro427, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	21-427 a.a.
Predicted N Terminal	No results obtained: Gln21 predicted
Form	Lyophilized from a 0.2 µ filtered solution in MES and NaCl.
Bio-activity	Measured by its ability to inhibit KLK1 cleavage of a fluorogenic peptide substrate, Pro-Phe-Arg-7-amido-4-methylcoumarin (PFR-AMC). The IC50 value is <40 nM, as measured under the described conditions.
Molecular Mass	Recombinant Human SERPINA4, His-tagged has a calculated MW of 48 kDa. In SDS-PAGE migrates as 57 kDa and 61 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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GENE INFORMATION

Gene Name	SERPINA4 serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 4 [Homo sapiens]
Official Symbol	SERPINA4
Synonyms	KAL; KST; PI4; KLST; PI-4; kallistatin
Gene ID	5267
mRNA Refseq	NM_006215.2
Protein Refseq	NP_006206.2
MIM	147935
UniProt ID	P29622
Chromosome Location	14q31-q32.1

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