

Recombinant Human Serpin A8

Catalog No: CB56

Description	Recombinant Human Serine Protease Inhibitor-clade A8 is produced by our Mammalian expression system and the target gene encoding Asp34-Ala485 is expressed with a 6His tag at the C-terminus.
Source	Human Cells
Alternative name	Angiotensinogen;Serpins A8; AGT and SERPINA8
Accession No.	P01019
Formulation	Supplied as a 0.2 µm filtered solution of 20mM PB,150mM NaCl, pH7.4.
Reconstitution	<p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100µg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Quality Control	<p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.</p>
Shipping	<p>The product is shipped on dry ice/polar packs.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
Storage	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Amino Acid Sequence	<p>DRVYIHPFHLVIHNESTCEQLAKANAGKPKDPTFIPAPIQAKTSPVDEKALQDQLVLVAAKLDTEKLRRA MVGMLANFLGFRIY GMHSELWGVVHGATVLSPTAVFGTLASLYLGALDHTADRLQAILGVPWKDKNCTSRDLAHKVLSALQAV QGLLVAQGRADS QAQLLLSTVVGVTAPGLHLKQPFVQGLALYTPVVLPRSLDFTELDVAAEKIDRFMQAVTGWKTGCSLTG ASVDSTLAFNTYVH FQGKMKGFSLAEPQEFWVDNSTSVSPMLSGMGTFQHWSDIQDNFSVTQVSFTESACLLLIQPHYASD LDKVEGLTFQQNS LNWMKKLSPRTIHLTMPQLVLQGSYDLQDLAQAELPAILHTELNLQKLSNDRIRVGEVLNSIFFEALDER EPTSTQQLNKPE VLEVTLNRPFLFAVYDQSATALHFLGRVANPLSTAVDHHHHHH</p>
Background	<p>Angiotensinogen is involved in maintaining blood pressure and in the pathogenesis of essential hypertension and preeclampsia. Genetic variations in Angiotensinogen are associated with susceptibility to essential hypertension, and can cause renal tubular dysgenesis, a severe disorder of renal tubular development. Defects in the encoding gene have also been associated with non-familial structural atrial fibrillation, and inflammatory bowel disease.</p>

