

Recombinant Mouse Serpin F2

Catalog No: CM07

Description	Recombinant Mouse Serine Protease Inhibitor-clade F2 is produced by our Mammalian expression system and the target gene encoding Val28-Lys491 is expressed with a Fc tag at the C-terminus.
Source	Human Cells
Alternative name	Alpha-2-antiplasmin; Alpha-2-AP; Alpha-2-plasmin inhibitor; Alpha-2-PI; Serpin F2; Serpinf2
Accession No.	Q61247
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, 20% glycerol, 1mM DTT, pH 8.0.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Amino Acid Sequence

VDLPGQQPVSEQAQQKLPLPALFKLDNQDFGDHATLKRSPGHCKSVPTAEETRRRLAQAMMAFTTDLFS
LVAQTSTSSNLVLSPLSVALALSHLALGAQNQTLHSLHRVLHMNTGSCPLHLLSHFYQNLGPGTIRLAAR
IYLQKGFPIKDDFLEQSERLFGAKPVKLTGKQEEDLANINQWVKEATEGKIEDFLSELPDSTVLLLLNAIH
FHGFWRTKFDPSLTQKDFHFLDERFTVSVDMMHAVSYPLRWFLLEQPEIQVAHFPPKNNMSFVVVMPT
YFEWNVSEVLANLTWDTLYHPSLQERPTKVWLPKLHLQQQLDLVATLSQLGLQELFQGPDLRGISEQN
LVVSSVQHQSTMELSEAGVEAAAATSVAMNRMSSLSSFTVNRPFLLFFIMEDTIGVPLFVGSVRNPNPSAL
PQLQEQRDSPDNRLIGQNDKADFHGKTFGPDCLKAPRMEEDYPQFSSPKVDDIEGRMDEPKSCDKT
HTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEVHNAKTKP
REEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTK
NQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFCSSV
MHEALHNHYTQKSLSLSPGK

Background

Alpha-2-antiplasmin, also called Serpin F2, is a serine protease inhibitor (serpin) responsible for inactivating plasmin, and an important enzyme participates in fibrinolysis and degradation of other proteins. In liver cirrhosis, there is decreased production of alpha 2-antiplasmin, leading to decreased inactivation of plasmin and an increase in fibrinolysis. Serpin F2 is major expressed on liver and kidney. Some other tissues such as muscle, intestine, central nervous system, and placenta also express Serpin F2 mRNA at a moderate level indicated that it is a key regulator of plasmin-mediated proteolysis in these tissues.

SDS-Page

