

Recombinant Rat Alpha-1-antiproteinase(Serpina1)



Catalog No: #AP73690

Package Size: #AP73690-1 10ug #AP73690-2 50ug #AP73690-3 100ug #AP73690-4 200ug #AP73690-5 500ug #AP73690-6 1mg

Orders: order@abscitech.com

Support: tech@abscitech.com

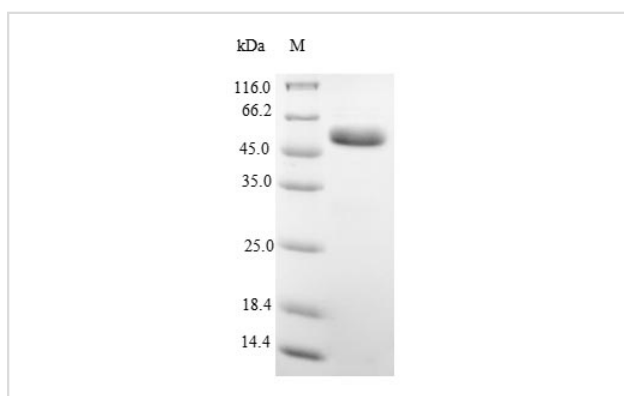
Description

Product Name	Recombinant Rat Alpha-1-antiproteinase(Serpina1)
Brief Description	Recombinant Protein
Host Species	E.coli
Target Name	Serpina1
Other Names	Alpha-1 protease inhibitorAlpha-1-antiproteinase;Serpin A1
Accession No.	Uniprot ID: P17475
Target Species	Rt
SDS-PAGE MW	31.63kDa
Target Length	Full Length,25-411aa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	EDAQETDTSQQDQSPTYRKISSNLADFAFSLYRELVHQSNTSNIFFSPMSITTAFAMLSLGSKGDTRKQILEGL EFNLTQIPEADIIHKAFHLLQLNRPDSELQLNTGNGLFVNKLNKLVEKFLEEVKNNYHSEAFSVNFADSEEA KVINDYVEKGTQGGKIVDLMKQLDEDTV FALVNYIFFKGGWKRPFNPEHTRDADFHVDKSTTVKVPMMNRLGM FDMHYCSTLSSWVLMMDYLGNATAIFLLPDDGKMQHLEQLTKDLISRFLNLRQTRSAILYFPKLSISGTYNLKT LLSSLGITRVFNNDADLSGITEDAPLKLSQAVHKAVLTLDERGTEAAGATVVEAVPMSLPPQVKFDHPFIFMIVE SETQSPLFVGKVIDPTR
Formulation	Tris-based buffer,50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.

Application Details

Greater than 90% as determined by SDS-PAGE.

Images



Background

Inhibitor of serine proteases. Its primary target is elastase, but it also has a moderate affinity for plasmin and thrombin. Irreversibly inhibits trypsin, chymotrypsin and plasminogen activator. The aberrant form inhibits insulin-induced NO synthesis in platelets, decreases coagulation time and has proteolytic activity against insulin and plasmin. Short peptide from AAT: reversible chymotrypsin inhibitor. It also inhibits elastase, but not trypsin. Its major physiological function is the protection of the lower respiratory tract against proteolytic destruction by human leukocyte elastase (HLE).

References

Cloning and expression in Escherichia coli of full-length complementary DNA coding for human alpha 1-antitrypsin. Bollen A., Herzog A., Cravador A., Herion P., Chuchana P., van der Straten A., Loriau R., Jacobs P., van Elsen A. DNA 2:255-264(1983)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.