

Serpin A3c Protein, Mouse, Recombinant (His)

General Information

Synonyms:	MGC144822;serine (or cysteine) peptidase inhibitor, clade A, member 3C;spi2;Kalbp;Serpin A3C;Serpina3c;1A1;Klkbp
Protein Construction:	A DNA sequence encoding the extracellular domain of mouse SERPINA3C (NP_032484.1) precursor (Met 1-Ala 417) was expressed, with a C-terminal polyhistidine tag. Predicted N terminal: Asp 23
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	P29621
Molecular Weight:	46 kDa (predicted); 50-60 kDa and 110 kDa (reducing condition, due to glycosylation)

QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Reference

- Irving JA. et al., 2000, Genome Res. 10: 1845-64.
Irving J. et al., 2002, Mol Biol Evol 19 (11): 1881-90.
Forsyth, S. et al., 2003, Genomics 81: 336-345.
Horvath, AJ. et al., 2004, J. Mol. Evol. 59: 488-497.
Steenbakkers PJ. et al., 2008, Mycol. Res. 112 (Pt 8): 999-1006.

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