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SERPINB10 Protein (His tag)



Image



Overview

| Quantity: | 100 μg |
|-------------------------------|--|
| Target: | SERPINB10 |
| Origin: | Mouse |
| Source: | Baculovirus infected Insect Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This SERPINB10 protein is labelled with His tag. |
| | |

Product Details

| Purpose: | Recombinant Mouse SerpinB10 Protein (His Tag) |
|------------------|--|
| Sequence: | Met 1-Pro 397 |
| Characteristics: | A DNA sequence encoding the mouse SERPINB10 (Q8K1K6-1) (Met 1-Pro 397) was expressed, with a C-terminal polyhistidine tag. |
| Purity: | > 94 % as determined by SDS-PAGE |
| Endotoxin Level: | < 1.0 EU per µg of the protein as determined by the LAL method. |

Target Details

| Target: | SERPINB10 |
|-------------------|---|
| Alternative Name: | SerpinB10 (SERPINB10 Products) |
| Background: | Background: Serpins are the largest and most diverse family of serine protease inhibitors which are involved in a number of fundamental biological processes such as blood coagulation, |
| | complement activation, fibrinolysis, angiogenesis, inflammation and tumor suppression and are |

expressed in a cell-specific manner. Serpins are a group of proteins with similar structures that were first identified as a set of proteins able to inhibit proteases. The acronym serpin was originally coined because many serpins inhibit chymotrypsin-like serine proteases (serine protease inhibitors). Over 1000 serpins have been identified. Mouse SerpinB10, also known as Peptidase inhibitor 10, Pl-10, Bomapin and SERPINB10, is a nucleus and cytoplasm protein which belongs to the serpin family and Ov-serpin subfamily. SerpinB10 is expressed specifically in the bone marrow. SerpinB10 is a protease inhibitor that may play a role in the regulation of protease activities during hematopoiesis and apoptosis induced by TNF. SerpinB10 is a redox-sensitive nuclear serpin that augments proliferation or apoptosis of leukaemia cells, depending on growth factors availability. SerpinB10 may regulate protease activities in the cytoplasm and in the nucleus.

Synonym: 9830131G07;BB233602;Serpinb10-ps

Molecular Weight:

46.5 kDa

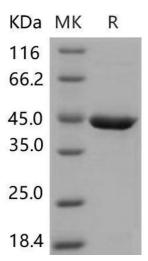
Application Details

Restrictions:

For Research Use only

Handling

| Format: | Lyophilized |
|------------------|---|
| Reconstitution: | Please refer to the printed manual for detailed information. |
| Buffer: | Lyophilized from sterile 50 mM Tris, 100 mM NaCl, pH 8.0 |
| Storage: | 4 °C,-20 °C,-80 °C |
| Storage Comment: | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. |
| | Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted |
| | samples are stable at < -20°C for 3 months. |



Western Blotting

Image 1.