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**Recombinant Mouse SerpinB8 Protein (His tag)****Cat.NO.: TP06826**

3th Edition

**Synonyms:**CAP-2;CAP2;NK10;ovalbumin;Spi8

**Description:**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. Mouse SerpinB8, also known as Cytoplasmic antiproteinase 2, Peptidase inhibitor 8, SerpinB8, PI-8, SERPINB8 and CAP2, is a member of the Serpin superfamily. SERPINB8 was broadly expressed. In normal neuroendocrine tissues, strongest SerpinB8 expression was detected in islets of Langerhans of the pancreas. Moderate SerpinB8 expression was observed in neuroendocrine cells of the thyroid, adrenal cortex, colon, and pituitary gland. In the pancreas, SerpinB8 is specifically expressed by insulin-producing beta cells, and can be used as an additional diagnostic immunohistochemical marker. Mouse SerpinB8 distribution alters during kidney regeneration, possibly to control a prohormone convertase involved in inflammation or tissue repair.

**Form:**PBS**Molecular Weight:**43.6 kDa**Sequences:**Met 1-Pro 374**Purity:**> 95% by HPLC**Concentration:****Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.