

**Prss28, 27-274aa, Mouse, His-tag, Baculovirus**

**Cat.NO.: TP03550**

3th Edition

**Synonyms:** Serine protease 28, Prss28, lsp1, mlsp-1.

**Description:** Prss28, also known as serine protease 28, belongs to the S1 serine proteinase family with a conserved Histidine-Aspartic Acid-Serine catalytic triad. It exhibits mixed substrate specificity that silences signaling via proteinase-activated receptors. It is involved with embryo hatching and its activity is important for successful implantation. Recombinant mouse Prss28, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Form:** Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol

**Molecular Weight:** 28.7kDa (256aa), 28-40kDa (SDS-PAGE under reducing conditions)

**Sequences:**

KPVGIVGGQCTPPGKWPWQVSLRMYSYEVNSWVHICGGSIHPQWILTAHCIQSQDADPAVYRVQVGEVYLYKE  
QELLNISRIIHPDYNDVSKRFDLALMQLTALLVTSTNVSPVSLPKDSSTFDSTDQCWLVGWGNLLQRVPLQPPYQL  
HEVKIPIQDNKSKRAYRKKSSDEHKAVAFDDMLCAGTSGRGPFCGDSGGPLVCWKS NKWIQVGVVSKGIDCSN  
NLPSIFSRVQSSLAWIHQHIQLEHHHHHH

**Purity:** > 95% by HPLC

**Concentration:** 0.25mg/ml (determined by Absorbance at 280nm)

**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.