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# Recombinant mouse Serine protease 28/PRSS28 protein

Catalog Number: ATGP3437

# **PRODUCT INFORMATION**

# **Expression system**

Baculovirus

#### **Domain**

27-274aa

#### UniProt No.

0924N9

#### **NCBI Accession No.**

NP 444489

#### **Alternative Names**

Serine protease 28, Prss28, Isp1, mIsp-1

# **PRODUCT SPECIFICATION**

### **Molecular Weight**

28.7 kDa (256aa)

#### Concentration

0.25mg/ml (determined by absorbance at 280nm)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

#### **Purity**

> 90% by SDS-PAGE

#### **Endotoxin level**

< 1 EU per 1ug of protein (determined by LAL method)

#### Tag

His-Tag

# **Application**

SDS-PAGE

# **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **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



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conventional chromatography techniques.

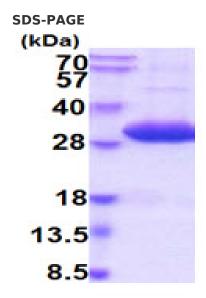
# **Amino acid Sequence**

KPVGIVGGQC TPPGKWPWQV SLRMYSYEVN SWVHICGGSI IHPQWILTAA HCIQSQDADP AVYRVQVGEV YLYKEQELLN ISRIIIHPDY NDVSKRFDLA LMQLTALLVT STNVSPVSLP KDSSTFDSTD QCWLVGWGNL LQRVPLQPPY QLHEVKIPIQ DNKSCKRAYR KKSSDEHKAV AIFDDMLCAG TSGRGPCFGD SGGPLVCWKS NKWIQVGVVS KGIDCSNNLP SIFSRVQSSL AWIHQHIQLE HHHHHH

### **General References**

Sharma N., et al. (2006) BMC Dev Biol. 6:61. Tang L., et al. (2005) Gene. 364:30-36.

# **DATA**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)