
Product Data Sheet

Product Name: PRSS28 Mouse
 Cat. No.: GP22169
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Serine protease 28; Implantation serine proteinase 1; ISP-1; Strypsin; Tryptase-like proteinase.		
Amino Acid Sequence	KPVGIVGGQC TPPGKWPWQV SLRMYSYEVN SWVHICGGSI IHPQWILTAAHCIQSQDADP AVYRVQVGEV YLYKEQELLN ISRIIHPDY NDVSKRFDLA LMQLTALLVT STNVSPVSLPKDSSTFDSTD QCWLVGWGNL LQRVPLQPPY QLHEVKIPIQ DNKSCRAYR KKSSDEHKAV AIFDDMLCAGTSGRGPCFGD SGGPLVCWKS NKWIVGVVVS KGIDCSNNLP SIFSRVQSSL AWIHQHIQLE HHHHHH.		
Formulation	PRSS28 protein solution (0.25mg/ml) containing PhosphateBuffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Serine protease 28, also known as Prss28, is a member of the S1 serineproteinase family with a conserved Histidine-Aspartic Acid-Serine catalytic triad. Prss28 shows mixed substrate specificity which silences signaling through proteinase-activated receptors. Furthermore, Prss28 is involved with embryohatching and its activity is vital for successful implantation.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

PRSS28 Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 256 amino acids (27-274 a.a.) and having a molecular mass

Caution: Product has not been fully validated for medical applications. For research use only.

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of 28.7kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). PRSS28 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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