

Recombinant Mouse Prss28 protein, His-tagged

Cat. No. Prss28-24M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Prss28, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Mouse
Source	Insect Cells
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.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol
Molecular Mass	28.7kDa (256aa) 28-40kDa (SDS-PAGE under reducing conditions)
AA Sequence	KPVGIVGGQC TPPGKWPWQV SLRMYSYEVN SWVHICGGS IHPQWILTAA HCIQSQDADP AVYRVQVGEV YLYKEQELLN ISRIIHPDYNDVSKRFDLA LMQLTALLVT STNVSPVSLP KDSSTFDSTD QCWLVGWGNL LQRVPLQPPY QLHEVKIPIQ DNKSCKRAYR KKSSDEHKAVAIFDDMLCAG TSGRGPCFGD SGGPLVCWKS NKWIVQGVVS KGIDCSNNLP SIFSRVQSSL AWIHQHIQLE HHHHHH
Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 90% by SDS - PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25mg/ml (determined by Absorbance at 280nm)
GENE INFORMATION	
Gene Name	Prss28 protease, serine 28 [Mus musculus]
Official Symbol	Prss28
Synonyms	lsp1; mlsp-1; ISP-1; implantation serine protease 1; implantation serine proteinase 1; strypsin
Gene ID	114661
mRNA Refseq	NM_053259
Protein Refseq	NP_444489
UniProt ID	Q924N9
Chromosome Location	17 A3.3; 17 12.53 cM
Function	hydrolase activity; peptidase activity; serine-type peptidase activity

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA