



PRSS53 peptide (DAG-P1036)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description

Polyserase3 and was originally discovered in human liver as a mosaic serine proteinase with two tandem repeats of serine proteinase domains. Polyserase3 is similar to polyserase1 and polyserase2, but lacks the transmembrane domain, SEA domain and LDL like domains of polyserase1. In addition, rather than the three serase domains of polyserase1 and polyserase2, polyserase3 has two serase domains. Also, polyserase3 appears to be mainly a non glycosylated secreted protein, while polyserase1 and polyserase2 are glycosylated. Polyserase3 message was found in greatest abundance in human placenta, liver, testis, muscle, heart, and in fetal brain, kidney, lung and liver. Several human tumor cell lines also express significant amounts of polyserase3. Polyserase3 is a secreted protein, unlike polyserase1, which is membrane associated.

Purity	> 95 % by SDS-PAGE.
Conjugate	Unconjugated
Applications	ELISA, WB
Format	Liquid
Buffer	Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75

GENE INFORMATION

Gene Name [PRSS53 protease, serine, 53 \[Homo sapiens \(human\) \]](#)

Official Symbol	PRSS53
Synonyms	PRSS53; protease, serine, 53; POL3S; UNQ308; serine protease 53; EDTP308; polyserase 3; polyserase-3; polyserine protease 3;
Entrez Gene ID	339105
mRNA Refseq	NM_001039503.2
Protein Refseq	NP_001034592.1
UniProt ID	Q2L4Q9
Chromosome Location	16p11.2
Function	serine-type endopeptidase activity;