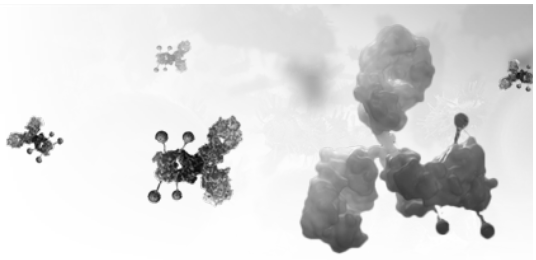

TMPRSS9 peptide (DAG-P1044)

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

PRODUCT INFORMATION

Antigen Description	Polyserase-1 is also known as TMPRSS9 (transmembrane serine proteinase-9), and polyserase protease 1. Polyserase1 was originally discovered in human liver as a mosaic serine proteinase with a type II transmembrane domain and three tandem repeats of serine proteinase domains. The domain structure of polyserase1 consists of a cytoplasmic domain, followed by a transmembrane domain, a "stem" region, an LDL receptor-like domain, and three serine proteinase domains. The third serine proteinase domain does not contain the canonical Gly-Asp-Ser-Gly-Gly residues found in the first two serase domains, and is not thought to be proteolytically active. Polyserase1 is found in greatest abundance in human liver, muscle, heart, placenta, and in fetal kidney and liver. Several human tumor cell lines also express significant amounts of polyserase1. Polyserase1 is a membrane associated protein, and the cleaved serase domains are thought to be retained on the cell surface by association with the propeptide domain, although the protein may also be found shed into conditioned culture media.
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

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Gene Name	TMPRSS9 transmembrane protease, serine 9 [Homo sapiens (human)]
Official Symbol	TMPRSS9
Synonyms	TMPRSS9; transmembrane protease, serine 9; transmembrane protease serine 9; polyserase 1; polyserase-1; polyserase-I; polyserine protease 1; transmembrane serine protease 9;
Entrez Gene ID	360200
mRNA Refseq	NM_182973.1
Protein Refseq	NP_892018.1
UniProt ID	Q7Z410
Chromosome Location	19p13.3
Function	serine-type endopeptidase activity;

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