



Human HPSE peptide (DAG-P0607)

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

PRODUCT INFORMATION

Antigen Description	Heparan sulfate proteoglycans are major components of the basement membrane and extracellular matrix. The protein encoded by this gene is an enzyme that cleaves heparan sulfate proteoglycans to permit cell movement through remodeling of the extracellular matrix. In addition, this cleavage can release bioactive molecules from the extracellular matrix. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]
Specificity	Highly expressed in placenta and spleen and weakly expressed in lymph node, thymus, peripheral blood leukocytes, bone marrow, endothelial cells, fetal liver and tumor tissues.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the glycosyl hydrolase 79 family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	HPSE heparanase [Homo sapiens (human)]
Official Symbol	HPSE
Synonyms	HPSE; heparanase; HPA; HPA1; HPR1; HSE1; HPSE1; heparanase-1; endo-glucuronidase;
Entrez Gene ID	10855

mRNA Refseq	NM_001098540.2
Protein Refseq	NP_001092010.1
UniProt ID	Q9Y251
Chromosome Location	4q21.3
Pathway	Disease, organism-specific biosystem; Glycosaminoglycan degradation, organism-specific biosystem; Glycosaminoglycan degradation, conserved biosystem; Glycosaminoglycan metabolism, organism-specific biosystem; HS-GAG degradation, organism-specific biosystem; Heparan sulfate degradation, organism-specific biosystem; Heparan sulfate degradation, conserved biosystem; Heparan sulfate/heparin (HS-GAG) metabolism, organism-specific biosystem; MPS I - Hurler syndrome, organism-specific biosystem; MPS II
Function	beta-glucuronidase activity; heparanase activity; heparanase activity; protein binding; protein dimerization activity; syndecan binding;