

Recombinant Human HPSE, His-tagged

Cat. No. HPSE-13930H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HPSE protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	159-543a.a.
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.
Source	E.coli
Species	Human
Tag	His
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

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Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name HPSE heparanase [Homo sapiens]

Official Symbol HPSE

Synonyms HPSE; heparanase; HPA; HPSE1; HSE1; heparanase-1; endo-glycoronidase; HPA1; HPR1;

Gene ID 10855

mRNA Refseq NM_006665

Protein Refseq NP_006656

MIM 604724

UniProt ID Q9Y251

Chromosome Location 4q21.3

Pathway Glycosaminoglycan degradation, organism-specific biosystem; Glycosaminoglycan degradation, conserved biosystem; Heparan sulfate degradation, organism-specific biosystem; Heparan sulfate degradation, conserved biosystem; Metabolic pathways, organism-specific biosystem; Syndecan-1-mediated signaling events, organism-specific biosystem;

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Function

beta-glucuronidase activity; cation binding; hydrolase activity, acting on glycosyl bonds; protein binding; protein dimerization activity; syndecan binding;

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