Active Recombinant Human HPSE, His-tagged

Cat. No. HPSE-156H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HPSE(Gln36-Ile543), fused with N-terminal 6-His tag, was expressed in CHO Cells.
Species	Human
Source	CHO
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.
Predicted N Terminal	His & K158
Form	Supplied as a 0.2 μm filtered solution in Tris, NaCl and E64.
Bio-activity	Measured by its ability to release heparan sulfate from Recombinant Human Syndecan-4.
Molecular Mass	Predicted Molecular Mass: 43 kDa & 9 kDaSDS-PAGE: 50-60 kDa & 7-9 kDa, reducing conditions
Endotoxin	< 1.0 EU per 1 μg of the protein by the 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	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 μg per lane.
Storage	Avoid repeated freeze-thaw cycles.6 months from date of receipt, -20 to -70 °C as supplied.3 months, -20 to -70 °C under sterile conditions after opening.

GENE INFORMATION

Gene Name	HPSE heparanase [Homo sapiens (human)]
Official Symbol	HPSE
Synonyms	HPSE; heparanase; HPA; HPA1; HPR1; HPSE1; HSE1; heparanase-1; heparanase exon10-deletion; heparanase exon 9&10 deletion; EC=3.2.-.-; Heparanase 8 kDa subunit; Heparanase 50 kDa subunit
Gene ID	10855
mRNA Refseq	NM_001098540
Protein Refseq	NP_001092010
MIM	604724
UniProt ID	Q9Y251
Chromosome Location	4q21.3
Pathway	Glycosaminoglycan degradation; Metabolic pathways; Metabolism of carbohydrates
Function	beta-glucuronidase activity; heparanase activity; protein dimerization 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