# Recombinant Human HPSE2 Protein, GST-tagged

**Cat. No.** HPSE2-5020H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Human HPSE2 full-length ORF (BAG37297.1, 1 a.a. - 592 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Species** | Human |
| **Source** | Wheat Germ |
| **Description** | This gene encodes a heparanase enzyme. The encoded protein is a endoglycosidase that degrades heparin sulfate proteoglycans located on the extracellular matrix and cell surface. This protein may be involved in biological processes involving remodeling of the extracellular matrix including angiogenesis and tumor progression. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009] |
| **Molecular Mass** | 91.52 kDa |
| **AA Sequence** | MRVLCAFPEAMPSSNSRPPACLAPGALYLALLLHLSLSSQAGDRRPLPVDRAAGLK EKTLILLDVSTKNPVRTVNENFLSLQLDPSIVHDGWLDFLSSKRLVTLARGLSPAFLR FGGKRTDFLQFQNLRNPAKSRGGPGPDYYLKNYEDDIVRSDVALDKQKGCKIAQHP DVMLELQREKAAQMHLVLLKEQFSNTYSNLILTARSLDKLYNFADCSGLHLIFALNAL RRNPNNSWNSSSALSLLKYSASKKYNISWELGNEPNNYRTMHGRAVNGSQLGKDY IQLKSLLQPIRIYSRASLYGPNIGRPRKNVIALLDGFMKVAGSTVDAVTWQHCYIDGR VVKVMDFLKTRLLDTLSDQIRKIQKVVNTYTPGKKIWLEGVVTTSAGGTNNLSDSYAA GFLWLNTLGMLANQGIDVVIRHSFFDHGYNHLVDQNFNPLPDYWLSLLYKRLIGPKV |

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| | LAVHVAGLQRKPRPGRVIRDKLRIYAHCTNHHNHNYVRGSITLFIINLHRSRKKIKLAG TLRDKLVHQYLLQPYGQEGLKSKSVQLNGQPLVMVDDGTLPELKPRPLRAGRTLVIP PVTMGFYVVKNVNALACRYR |
| **Applications** | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array |
| **Notes** | Best use within three months from the date of receipt of this protein. |
| **Storage** | Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing. |
| **Storage Buffer** | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

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| **Gene Name** | HPSE2 heparanase 2 (inactive) [ Homo sapiens (human) ] |
| **Official Symbol** | HPSE2 |
| **Synonyms** | HPSE2; heparanase 2 (inactive); UFS; HPA2; HPR2; UFS1; inactive heparanase-2; heparanase 3; heparanase-like protein |
| **Gene ID** | 60495 |
| **mRNA Refseq** | NM_001166244 |
| **Protein Refseq** | NP_001159716 |
| **MIM** | 613469 |

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| **UniProt ID** | Q8WWQ2 |

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