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# Product datasheet for TP760616

## Heparanase 1 (HPSE) (NM_006665) Human Recombinant Protein

### Product data:

| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Purified recombinant protein of Human heparanase (HPSE), transcript variant 1, with N-terminal HIS tag, expressed in E.Coli, 50ug |
| **Species:** | Human |
| **Expression Host:** | E. coli |
| **Expression cDNA Clone or AA Sequence:** | A DNA sequence encoding human full-length HPSE |
| **Tag:** | N-His |
| **Predicted MW:** | 61 kDa |
| **Concentration:** | >0.05 µg/µL as determined by microplate BCA method |
| **Purity:** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Buffer:** | 50 mM Tris-HCl, pH 8.0, 8 M urea |
| **Note:** | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| **Storage:** | Store at -80°C. |
| **Stability:** | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| **RefSeq:** | NP_006656 |
| **Locus ID:** | 10855 |
| **UniProt ID:** | Q9Y251 |
| **RefSeq Size:** | 4668 |
| **Cytogenetics:** | 4q21.23 |
| **RefSeq ORF:** | 1629 |
| **Synonyms:** | HPA; HPA1; HPR1; HPSE1; HSE1 |

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**Summary:** 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]

**Protein Families:** Secreted Protein

**Protein Pathways:** Glycosaminoglycan degradation, Metabolic pathways

## Product images: