

## 32-2446: HPSE Recombinant Protein

**Alternative Name** : Heparanase,HPA,HSE1,HPA1,HPR1,HPSE1,heparanase-1,EC 3.2.1.166,Endo-glucuronidase,HEP,Heparanase-1,Hpa1.

### Description

Source : Escherichia Coli. HPSE Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 531 amino acids (36-543 a.a) and having a molecular mass of 60kDa. HPSE is fused to a 23 amino acid His-tag at N-terminus. HPSE also known as Heparanase-1 is an enzyme which cleaves heparan sulfate proteoglycans to allow cell movement through changing the extracellular matrix. In fact, the Heparan sulfate proteoglycans are major components of the basement membrane and extracellular matrix. In addition, this cleavage can release bioactive molecules from the extracellular matrix. HPSE is significant for the overall degradation of proteins in lysosomes.

### Product Info

**Amount :** 20 µg  
**Purification :** "Greater than 85% as determined by SDS-PAGE."  
**Content :** HPSE protein solution (1mg/ml) containing 20mM Tris-HCl (pH 8.0), 10% glycerol and 0.4M Urea.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MGSQDVVDLD FFTQEPLHLV SPSFSLVTID ANLATDPRFL ILLGSPKLRT LARGLSPAYL RFGGKTDFL IFDPKKESTF EERSYWQSQV NQDICKYGS I PPDVEEKLR L EWPYQEQLL REHYQKKFKN STYSRSSVDV LYTFANCSGL DLIFGLNALL RTADLQWNSS NAQLLLDYCS SKGYNISWEL GNPNFLK ADIFINGSQL GEDFIQLHKL LRKSTFKNAK LYGPVGVQPR RKTAKMLKSF LKAGGEVIDS VTWHHYLNG RTATKEDFLN PDVLDIFISS VQKVFQVVE TRPGKQVWLG ETSSAYGGGA PLLSDTFAAG FMWLDKLGSL ARMGIEVVMR QVFFGAGNYH LVDENFDPLP DYWLSLLFKK LVGTVLMS VQGSKRRKLR VYLHCTNTDN PRYKEGDLTL YAINLHNVT K YLRLPYPSN KQVDKYLLRP LGPHGLLSKS VQLNGLTLKM VDDQTLPLM EKPLRPGSSL GLPAFSYSFF VIRNAKVAAC I.