

**HPSE, 36-543aa Human, His tag, E.coli**

**Cat.NO.: TP02498**

3th Edition

**Synonyms:**Heparanase isoform 1 preproprotein, Heparanase, HPA, HPA1, HPR1, HPSE1, HSE1

**Description:**Heparan sulfate proteoglycans are major components of the basement membrane and extracellular matrix. HPSE 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. Recombinant human HPSE protein, fused to His-tag at N-terminus, was expressed in E.coli .

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea

**Molecular Weight:**60.0 kDa (531aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSQDVVDLDFFTQEPLHLVSPSFLSVTIDANLATDPRFLILLGSPKLRTLARGLSP  
AYLRFGGTKTDFLIFDPKKESTFEERSYWQSQVNQDICKYGSIPPDVEEKLRLEWPYQEQLLLREHYQKKFKNSTY  
SRSSVDVLYTFANCSGLDLIFGLNALLRTADLQWNSSNAQLLLDYCSSKGYNISWELGNEPNSFLKKADIFINGSQL  
GEDFIQLHKLLRKSTFKNAKLYGPDVGQPRRKTAKMLKSFLKAGGEVIDSVTWHHYLNGRTATKEDFLNPDVLDIF  
ISSVQKVFQVVESTTRPGKKVWLGETSSAYGGGAPLLSDTFAAGFMWLDKLGLSARMGIEVVMRQVFFGAGNYHLV  
DENFDPLPDYWLSLLFKKLVGKVLKMASVQGSKRRLRVYLHCTNTDNPYKEGDLTYAINLHNVTKYLRLPYPFS  
NKQVDKYLLRPLGPHGLLSKSVQLNGLTLKMVDDQTLPLMEKPLRPGSSLGLPAFSYSFFVIRNAKVAACI

**Purity:**> 95% by HPLC

**Concentration:**1.0 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.