

Datasheet for ABIN5853551
HPSE Protein (AA 36-543) (His tag)



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1 Image

Overview

| | |
|-------------------------------|---|
| Quantity: | 100 µg |
| Target: | HPSE |
| Protein Characteristics: | AA 36-543 |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This HPSE protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS) |

Product Details

Sequence: MGSSHHHHHH SSSLVPRGSH MGSQDVVDLD FFTQEPLHLV SPSFLSVTID ANLATDPRFL
ILLGSPKLRT LARGLSPAYL RFGGTKTDFL IFDPKKESTF EERSYWQSQV NQDICKYGS
PPDVEEKRLR EWPYQEQLL REHYQKKFKN STYSRSSVDV LYTFANCSGL DLIFGLNALL
RTADLQWNSS NAQLLLDYCS SKGYNISWEL GNEPNSFLKK ADIFINGSQL GEDFIQLHKL
LRKSTFKNAK LYGPDVGQPR RKTAKMLKSF LKAGGEVIDS VTWHHYLNG RTATKEDFLN
PDVLDIFISS VQKVFQVVE TRPGKKVWLG ETSSAYGGGA PLLSDTFAAG FMWLDKLGSL
ARMGIEVVMR QVFFGAGNYH LVDENFDPLP DYWLSLLFKK LVGTKVLMAS VQGSKRRKLR
VYLHCTNTDN PRYKEGDLTL YAINLHNVTY YLRPLYPFSN KQVDKYLLRP LGPHGLLSKS
VQLNGLTLKM VDDQTLPLM EKPLRPGSSL GLPAFSYSFF VIRNAKVAAC I

Purity: > 85 % by SDS - PAGE

Target Details

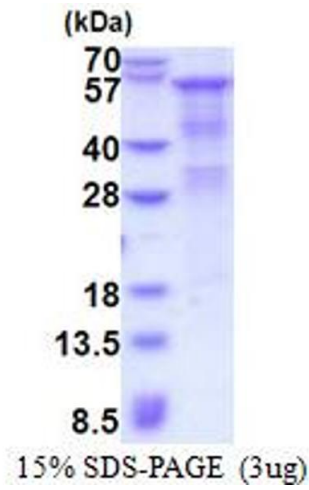
| | |
|-------------------|--|
| Target: | HPSE |
| Alternative Name: | HPSE (HPSE Products) |
| Background: | Heparan sulfate proteoglycans are major components of the basement membrane and extracellular matrix. HPSE is an enzyme that cleaves heparan sulfate proteoglycans to permit cell movement through 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 . |
| Molecular Weight: | 60.0 kDa (531aa) |
| NCBI Accession: | NP_006656 |
| UniProt: | Q9Y251 |
| Pathways: | Glycosaminoglycan Metabolic Process |

Application Details

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|--------------------|--|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Comment: | Denatured |
| Restrictions: | For Research Use only |

Handling

| | |
|------------------|--|
| Format: | Liquid |
| Concentration: | 1.0 mg/mL |
| Buffer: | Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10 % glycerol, 0.4M urea |
| Storage: | 4 °C,-20 °C,-80 °C |
| Storage Comment: | Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles. |



SDS-PAGE

Image 1.