PRODUCT INFORMATION

Target	HPSE
Synonyms	Heparanase;Hpa1;HEP;HPA;HPA1;HPR1;HPSE1;HSE1
Description	Recombinant human HPSE protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	Q9Y251
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	HPSE(Gln36-Ile543) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 58.4 kDa after removal of the signal peptide. The apparent molecular mass of HPSE-His is approximately 55-70 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	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]
Usage	Research use only
Conjugate	Unconjugated

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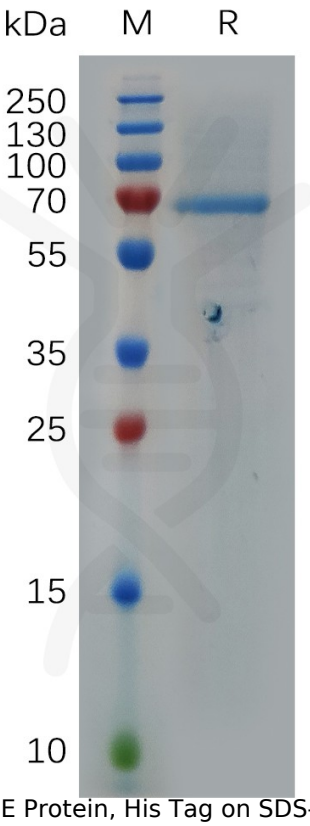


Figure 1. Human HPSE Protein, His Tag on SDS-PAGE under reducing condition.

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