abcam

Product datasheet

Recombinant Human HPSE2 protein ab127204

1 References

Description

Product name	Recombinant Human HPSE2 protein
Purity	> 80 % SDS-PAGE. Purified via His tag
Expression system	Escherichia coli
Accession	Q2M1H9
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Predicted molecular weight	34 kDa
Amino acids	218 to 498
Tags	His-DHFR tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab127204** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C. Constituents: 0.32% Tris HCl, 0.58% Sodium chloride
Reconstitution	Reconstitute with water to desired concentration.

General Info

Function	Binds heparin and heparan sulfate with high affinity, but lacks heparanase activity. Inhibits HPSE, possibly by competing for its substrates (in vitro).

Tissue specificity	Widely expressed, with the highest expression in brain, mammary gland, prostate, small intestine, testis and uterus. In the central nervous system, expressed in the spinal chord, caudate nucleus, thalamus, substantia nigra, medulla oblongata, putamen and pons. In the urinary bladder, expressed in longitudinal and circular layers of detrusor muscle. Found both in normal and cancer tissues.
Involvement in disease	Urofacial syndrome 1
Sequence similarities	Belongs to the glycosyl hydrolase 79 family.
Developmental stage	Expressed in the developing forebrain, diencephalon, midbrain, hind brain and spinal cord at Carnagie stage 16 (CS16, 6 weeks of gestation) and CS21 (8 weeks).
Cellular localization	Secreted, extracellular space, extracellular matrix.

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