

D-glucuronyl C5-epimerase (GLCE) Recombinant Protein | GLCE recombinant protein

Recombinant Human D-glucuronyl C5-epimerase (GLCE), partial

CATALOG # AAA115339	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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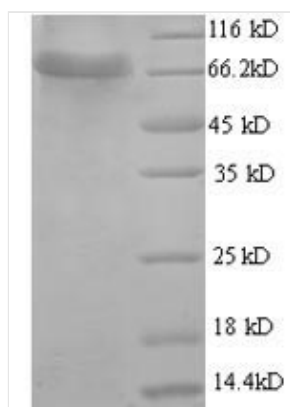
PRODUCT SYNONYMS

D-glucuronyl C5-epimerase (GLCE); Recombinant Human D-glucuronyl C5-epimerase (GLCE); partial; Heparan sulfate C5-epimerase; Hsepi; Heparin/heparan sulfate:glucuronic acid C5-epimerase; Heparosan-N-sulfate-glucuronate 5-epimerase; GLCE recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	29-617aa; Partial
Sequence	NKCSSDKAIQ FPRSSSGFR VDGFEKRAAA SESNNYMNHV AKQQSEEAFF QEQQKAPPVV GGFNSNVGSK VLGLKYEEID CLINDEHTIK GRREGNEVFL PFTWVEKYFD VYGKVVQYDG YDRFEFSHSY SKVYAQRAPY HPDGVFMSFE GYNVEVRDRV KCISGVEGVP LSTQWGPQGY FYPIQIAQYG LSHYSKNLTE KPPHIEVYET AEDRDKNKPN DWTVPKGC FM ANVADKSRT NVKQFIAPET SEGVSLQLGN TKDFIISFDL KFLTNGSVSV VLETTEKNQL FTIHVYVNAQ LIAFKERDIY YGIGPRTSWS TVTRDLVTDL RKGVGLSNTK AVKPTKIMPK KVVRLIAGKG GFLDNITIST TAHMAAFFAA SDWLVRNQDE KGGWPIMVTR KLGEGFKSLE PGWYSAMAQG QAISTLVRAY LLTKDHIFLN SALRATAPYK FLSEQHGVKA VFMNKHDWYE EYPTTPSSFV LNGFMYSLIG LYDLKETAGE KLGKEARSLY ERGMESLKAM LPLYDTGSGT IYDLRHFMLG IAPNLARWDY HTTHINQLQL LSTIDESPVF KEFVKRWKSY LKGSRAKHN
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for GLCE recombinant protein	Converts D-glucuronic acid residues adjacent to N-sulfate sugar residues to L-iduronic acid residues, both in maturing heparan sulfate (HS) and heparin chains. This is important for further modifications that determine the specificity of interactions between these glycosaminoglycans and proteins.
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Product Categories/Family for GLCE recombinant protein	Cancer
References	Homo sapiens D-glucuronyl C5-epimerase (GLCE) .Ghiselli G.Analysis of the DNA sequence and duplication history of human chromosome 15.Zody M.C., Garber M., Sharpe T., Young S.K., Rowen L., O'Neill K., Whittaker C.A., Kamal M., Chang J.L., Cuomo C.A., Dewar K., FitzGerald M.G., Kodira C.D., Madan A., Qin S., Yang X., Abbasi N., Abouelleil A., Arachchi H.M., Baradarani L., Birditt B., Bloom S., Bloom T., Borowsky M.L., Burke J., Butler J., Cook A., DeArellano K., DeCaprio D., Dorris L. III, Dors M., Eichler E.E., Engels R., Fahey J., Fleetwood P., Friedman C., Gearin G., Hall J.L., Hensley G., Johnson E., Jones C., Kamat A., Kaur A., Locke D.P., Madan A., Munson G., Jaffe D.B., Lui A., Macdonald P., Mauceli E., Naylor J.W., Nesbitt R., Nicol R., O'Leary S.B., Ratcliffe A., Rounsley S., She X., Sneddon K.M.B., Stewart S., Sougnez C., Stone S.M., Topham K., Vincent D., Wang S., Zimmer A.R., Birren B.W., Hood L., Lander E.S., Nusbaum C.Nature 440:671-675(2006) Prediction of the coding sequences of unidentified human genes. XII. The complete sequences of 100 new cDNA clones from brain which code for large proteins in vitro.Nagase T., Ishikawa K., Suyama M., Kikuno R., Hirose M., Miyajima N., Tanaka A., Kotani H., Nomura N., Ohara O.DNA Res. 5:355-364(1998) Glycoproteomics analysis of human liver tissue by combination of multiple enzyme digestion and hydrazide chemistry.Chen R., Jiang X., Sun D., Han G., Wang F., Ye M., Wang L., Zou H.J. Proteome Res. 8:651-661(2009) Using engineered 2-O-sulfotransferase to determine the activity of heparan sulfate C5-epimerase and its mutants.Li K., Bethea H.N., Liu J.J. Biol. Chem. 285:11106-11113(2010) Uncovering a biphasic catalytic mode of C5-epimerase in heparan sulfate biosynthesis.Sheng J., Xu Y., Dulaney S.B., Huang X., Liu J.J. Biol. Chem. 287:20996-21002(2012)

NCBI AND UNIPROT INFORMATION

NCBI GI #	51317380
NCBI GeneID	26035
NCBI Accession #	NP_056369.1
NCBI GenBank Nucleotide #	NM_015554.1
UniProt Accession #	O94923; Q6GUQ2
Molecular Weight	70.9 kDa
NCBI Official Full Name	D-glucuronyl C5-epimerase
NCBI Official Synonym Full Names	glucuronic acid epimerase
NCBI Official Symbol	GLCE
NCBI Official Synonym Symbols	HSEPI
NCBI Protein Information	D-glucuronyl C5-epimerase
UniProt Protein Name	D-glucuronyl C5-epimerase
UniProt Gene Name	GLCE
UniProt Synonym Gene Names	; Hsepi
UniProt Entry Name	GLCE_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/glce-recombinant-protein-e-coli/115339>