

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

Catalog No: #AP70341

Package Size: #AP70341-1 20ug #AP70341-2 100ug #AP70341-3 1mg



Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant Human D-glucuronyl C5-epimerase(GLCE),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:29-617aaSequence Info:Partial
Other Names	Heparan sulfate C5-epimerase ;HsepiHeparin,heparan sulfate:glucuronic acid C5-epimeraseHeparosan-N-sulfate-glucuronate 5-epimerase
Accession No.	O94923
Calculated MW	70.9 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	NKCSSDKAIQFPRRSSSGFRVDGFEKRAAASESNMYMNHVAKQQSEEAFFPQEQQKAPPVVGGFNSNVGSKV LGLKYEIDCLINDEHTIKGRREGNEVFLPFTWVEKYFDVYGKVVQYDGYDRFEFSHSYSKVYAQRAPYHPDG VFMSFEGYNVEVRDRVKCISGVEGVPLSTQWGPQGYFYPIQIAQYGLSHYSKNTLTKPPHIEVYETAEDRDKN KPNWDWTPKGCFFMANVADKSRTNVKQFIAPETSEGVSLQLGNTKDFIISFDLKFLTNGSVSVVLETTTEKNQLF TIHYVSNAQLIAFKERDIYYGIGPRTSWSTVTRDLVTDLRKGVGLSNTKAVKPTKIMPKKVRLIAKGKGFLDNIT ISTTAHMAAFFAASDWLVRNQDEKGGWPIMVTRKLGEFGKSLEPGWYSAMAQQAISTLVRAYLLTKDHIFLN SALRATAPYKFLSEQHGKAVFMNKHWDWYEEYPTTPSSFVLNGFMYSLIGLYDLKETAGEKLGKEARSLEYERG MESLKAMLPDYTGSGTIYDLRHFMLGIAPNLARWDYHTTHINQLQLLSTIDESPVFKEFVKRWKSYLKGSRAK HN
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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.

References

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)Research Topic:Cancer

Note: This product is for in vitro research use only and is not intended for use in humans or animals.