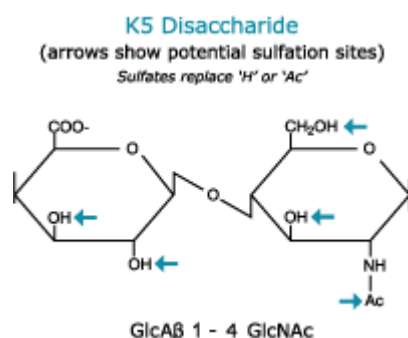


Sulphated and Epimerised K5 Polysaccharides

- Catalogue no:** K50012
- Designation:** E-K5/NS, OS (H): N, O-Sulphated, high. $\text{SO}_3^-/\text{COO}^-$: 4.03. These GAGS are polydisperse. We are unable to provide an accurate molecular weight. For more information on K5 derivatives see: J. Biol. Chem., Oct 2001; 276: 37900 - 37908
- General Description:** K5 polysaccharide is composed of repeating disaccharide units of GlcA β 1-4GlcNAc α 1-4. The polymer backbone is identical to the biosynthetic precursor of heparan sulfate and heparin. This polymer has been chemically-modified to yield N-sulfated, O-sulfated and N/O-sulfated derivatives. A recombinant heparan sulfate epimerase has been used to convert some of the glucuronic acid (GlcA) residues to Iduronic acid (IdoA). The degree of conversion is approximately 50%.



- Quantity:** 1mg per vial
- Appearance:** White/yellow powder
- Origin:** Produced by E. coli K5 bacterial culture
- Toxicity and Hazards:** We are not aware of any toxicity associated with this product. In common with good laboratory practice the material should only be handled by qualified personnel trained in laboratory procedures and familiar with potential hazards and safety procedures
- These products are not intended for human consumption, drug use or any form of human experimentation.
- Storage:** This product is stable at room temperature. However we recommend that all products are stored frozen at -15 to -20 degrees Celsius upon receipt and that vials are allowed to warm to room temperature before opening. If made up into solutions avoid repeated freeze-thawing. Stock solutions should be prepared in appropriate aliquots and stored frozen.
- Applications:** Biological, biochemical and biophysical research
- Warranties:** Iduron warrants that its products shall conform to the description of such products as provided on Iduron's website. This warranty is exclusive, and seller makes no other warranty, expressed or implied, including any implied warranty of merchantability or fitness for any particular purpose. No warranty is provided that the sale or use of the products either alone or in combination with other products will not infringe patent, intellectual property or any other rights of third parties.