32-4075: Recombinant Human Cytokeratin 19

Alternative Name : Keratin type I cytoskeletal 19,Cytokeratin-19,CK-19,Keratin-19,K19,KRT19,CK19,K1CS,MGC15366.

Description

Source : Escherichia Coli. Cytokeratin 19 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain having a molecular mass of 44,098 Dalton. The KRT19 is purified by proprietary chromatographic techniques. CTK-19 is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21.

Product Info

Amount :	20 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	The protein (1mg/ml) was lyophilized after from a sterile solution containing 30mM Tris-HCl pH-8, 9.5M urea, 2mM DTT, 2mM EDTA and 10mM methylammonium chloride.
Storage condition :	Lyophilized KRT19 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution KRT19 should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Application Note

It is recommended to reconstitute the lyophilized KRT19 in sterile 18MÃ Â©-cm H2O not less than 100Ã Âµg/ml, which can then be further diluted to other aqueous solutions.