

## 32-4069: Recombinant Human Cytokeratin 14

**Alternative Name :** Keratin,type I cytoskeletal 14,Cytokeratin-14,CK-14,Keratin-14,K14,KRT14,NFJ,CK14,EBS3,EBS4.

### Description

Source : Escherichia Coli. Cytokeratin 14 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain having a molecular mass of 51,530 Dalton. The KRT14 is purified by proprietary chromatographic techniques. Cytokeratin 14 is a member of the keratin family, the most diverse group of intermediate filaments. Cytokeratin 14 is a type I keratin, is usually found as a heterotetramer with two keratin 5 molecules, a type II keratin. Together they form the cytoskeleton of epithelial cells. Mutations in the genes for these keratins are associated with epidermolysis bullosa simplex. At least one pseudogene has been identified at 17p12-p11.

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 20 µg   |
| <b>Purification :</b>      | Greater than 95.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.  |
| <b>Content :</b>           | 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.  |
| <b>Storage condition :</b> | Lyophilized KRT14 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution KRT14 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 CK-14 in sterile 18MΩ·cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

