

## KRT14 Human, His

**Description:** KRT14 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 492 amino acids (1-472 a.a.) and having a molecular mass of 53.8kDa. KRT14 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-948

For research use only.

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

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MTCSRQFTS SSSMKGSCGI  
GGGIGGGSSR ISSVLGGSC RAPSTYGGGL SVSSSRFSSG GAYGLGGGYG GGFSSSSSF  
GSGFGGGYGG GLGTGLGGGF GGGFAGGDGL LVGSEKVTMQ NLNDRLASYL DKVRALEEAN  
ADLEVKIRDW YQRQRP AEIKDYSPYFKTIE DLRNKILTAT VDNANVLLQI DNARLAADDF  
RTKYETELNL RMS

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

### Formulation:

KRT14 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea.

### Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

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.

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