

KRT14, 1-472aa, Human, His tag, E.coli

Cat.NO.: TP02764

3th Edition

Synonyms: Keratin 14, cytokeratin 14, GIG36, MGLAP, NTI.

Description: KRT14, also known as keratin 14, is a member of the cytokeratin subfamily of intermediate filament proteins (IFPs). It is unique in that it is normally expressed in the basal cells of complex epithelia but not in stratified or simple epithelia. It functions to regulate cell growth and size through its interactions with the adaptor protein 14-3-3 sigma to mediate protein synthesis.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea

Molecular Weight: 53.8 kDa (492aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMTTCSRQFTSSSSMKGSCGIGGGIGGGSSRISVLAGGSCRAPSTYGGGLSVSS
SRFSSGGAYGLGGGYGGGFSSSSSSFGSGFGGGYGGGLGTGLGGGFGGGFAGGDGLLVGSEKVTMQNLNDRL
ASYLDKVRAL E E A N A D L E V K I R D W Y Q R Q R P A E I K D Y S P Y F K T I E D L R N K I L T A T V D N A N V L L Q I D N A R L A A D D F R T K Y
E T E L N L R M S V E A D I N G L R R V L D E L T L A R A D L E M Q I E S L K E E L A Y L K K N H E E M N A L R G Q V G G D V N V E M D A A P G V D L
S R I L N E M R D Q Y E K M A E K N R K D A E E W F F T K T E E L N R E V A T N S E L V Q S G K S E I S E L R R T M Q N L E I E L Q S Q L S M K A S L E
N S L E E T K G R Y C M Q L A Q I Q E M I G S V E E Q L A Q L R C E M E Q Q N Q E Y K I L L D V K T R L E Q E I A T Y R R L L E G E D A H L S S S Q F S
S G S Q S S R D V T S S S R Q I R T K V M D V H D G K V V S T H E Q V L R T K N

Purity: > 95% by HPLC

Concentration: 1.0 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.