

Recombinant human Keratin 8/KRT8 protein

Catalog Number: ATGP2076

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-483aa

UniProt No.

P05787

NCBI Accession No.

NP_002264.1

Alternative Names

KO, Keratin type II cytoskeletal 8, Keratin 8, K8, K2C8, CYK8, CK8, CARD2

PRODUCT SPECIFICATION

Molecular Weight

56.1 kDa (506aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

KRT8 is a member of the type II keratin family clustered on the long arm of chromosome 12. Type I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. KRT8 typically dimerizes with keratin 18 to form an intermediate filament in simple single-layered epithelial cells. This protein plays a role in maintaining cellular structural integrity and also functions in signal transduction and cellular differentiation. Mutations in this gene cause cryptogenic cirrhosis. Recombinant human KRT8 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

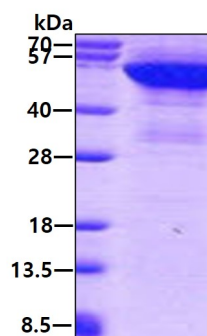
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QQKTARSNMD NMFESYINN L RRQLET LGQE K LKLEAELGN MQGLVEDFKN KYEDEINKRT EMENEFVLK KDVDEAYMNK
VELESRLGL TDEINFLRQL YEEEIRELQS QISDTSVVL MDNSRSLDMD SIIAEVKAQY EDIANRSRAE AESMYQIKYE
ELQSLAGKHG DDLRRTKTEI SEMNRNISRL QAEIEGLKGQ RASLEAAIAD AEQRGELAIK DANAKLSELE AALQRAKQDM
ARQLREYQEL MNVKLALDIE IATYRKLLG EESRLESGMQ NMSIHTKTTS GYAGGLSSAY GGLTSPGLSY SLGSSFGSGA
GSSSFRTSS SRAVVVKIE TRDGKLVSES SDVLPK

General References

Babichenko II, Grigor'ian AS et al. Arkh Patol. 2011 Nov-Dec
73(6):18-21.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.