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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Amino acid Sequence

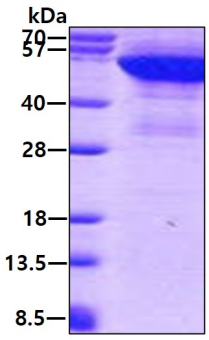
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General References

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.