

Recombinant human Cytokeratin 19 protein

Catalog Number: ATGP1939

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-400aa

UniProt No.

P08727

NCBI Accession No.

NP_002267

Alternative Names

Keratin type I cytoskeletal 19, Keratin, type I cytoskeletal 19, CK19, K19, K1CS

PRODUCT SPECIFICATION

Molecular Weight

46.5 kDa (423aa)

Concentration

0.5mg/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

KRT19 is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. Recombinant human KRT19 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

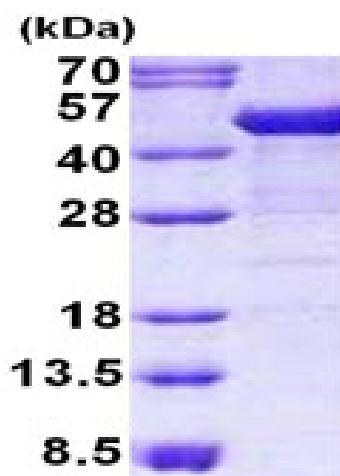
MGSSHHHHHH SSGLVPRGSH MGSMTSYSYR QSSATSSFEGG LGGGSVRFGP GVAFRAPSIH GGSGGRGVSV SSARFVSSSS
SGAYGGGYGG VLTASDGLLA GNEKLTMQNL NDRLASYLDK VRALEAANGE LEVKIRDWYQ KQPGGPSRDY SHYYTTIQDL
RDKILGATIE NSRIVLQIDN ARLAADDFT RTKFETEQALRM SVEADINGLR RVLDELTAR TDLEMQIEGL KEELAYLKKN
HEEEISTLRG QVGGQVSVEV DSAPGTDLAK ILSDMRSQYE VMAEQNRKDA EAWFTSRTEE LNREVAGHTE QLQMSRSEVT
DLRRTLQGLE IELQSQLSMK AALEDTLAET EARFGAQLAH IQALISGIEA QLGDVRADSE RQNQEYQRLM DIKSRLQEI
ATYRSLLEGQ EDHYNLSAS KVL

General References

Vilardell,F., et al. (2012) Virchows Arch. 460 (6), 569-575
Leelawat,K.,et al. (2012) World J. Gastroenterol. 18 (2), 175-181

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)