

Product datasheet for AR51460PU-N

Cytokeratin 5 (1-590, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: Cytokeratin 5 (1-590, His-tag) human protein, 0.5 mg

Species: Human **Expression Host:** E. coli

Expression cDNA Clone

or AA Sequence:

SGGGGGGGFG RVSLAGACGV GGYGSRSLYN LGGSKRISIS TSGGSFRNRF GAGAGGGYGF GGGAGSGFGF GGGAGGGFGL GGGAGFGGGF GGPGFPVCPP GGIQEVTVNQ SLLTPLNLQI DPSIQRVRTE EREQIKTLNN KFASFIDKVR FLEQQNKVLD TKWTLLQEQG TKTVRQNLEP LFEQYINNLR RQLDSIVGER GRLDSELRNM QDLVEDFKNK YEDEINKRTT AENEFVMLKK DVDAAYMNKV ELEAKVDALM DEINFMKMFF DAELSQMQTH VSDTSVVLSM DNNRNLDLDS IIAEVKAQYE EIANRSRTEA ESWYQTKYEE LQQTAGRHGD DLRNTKHEIS EMNRMIQRLR AEIDNVKKQC ANLQNAIADA EQRGELALKD ARNKLAELEE ALQKAKQDMA RLLREYQELM NTKLALDVEI ATYRKLLEGE ECRLSGEGVG PVNISVVTSS VSSGYGSGSG YGGGLGGGLG GGLGGGLAGG GSGSYYSSSS GGVGLSGGLS VGGSGFSASS GRGLGVGFGS GGGSSSSVKF

MGSSHHHHHH SSGLVPRGSH MGSMSRQSSV SFRSGGSRSF STASAITPSV SRTSFTSVSR

VSTTSSSRKS FKS

Tag: His-tag Predicted MW: 64.8 kDa Concentration: lot specific

Purity: >85% by SDS - PAGE

Buffer: Presentation State: This purified protein is available in a denatured form, making it less

suitable for functional studies. Denatured proteins are better suited for applications like

Western Blot (WB) or imaging assays.

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea

Preparation: Liquid purified protein

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Storage:

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 000415



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Locus ID: 3852

 UniProt ID:
 P13647

 Cytogenetics:
 12q13.13

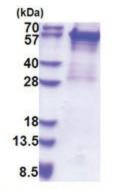
Synonyms: KRT5, Cytokeratin-5, Keratin-5, Keratin 5, CK5, K5

Summary: The protein encoded by this gene is a member of the keratin gene family. The type II

cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the basal layer of the epidermis with family member KRT14. Mutations in these genes have been associated with a complex of diseases termed epidermolysis bullosa simplex. The type II cytokeratins are clustered in a region of

chromosome 12q12-q13. [provided by RefSeq, Jul 2008]

Product images:



15% SDS-PAGE (3ug)