

## 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:	<u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MGSMSRQSSV</u> SFRSGGSRSF STASAITPSV SRTSFTSVSR SGGGGGGGFG RVSLAGACGV GYGSRSLYN LGGSKRISIS TSGGSFRNRF GAGAGGGYGF GGGAGSGFGF GGGAGGGFGL GGGAGFGGGF GGPFPVCPG GGIQEVTVNQ SLLTPLNLQI DPSIQVRTE EREQIKTLNN KFAFIDKVR FLEQQNKVLD TKWTLLQEQG TKTVRQNLEP LFEQYINNL RQLDSIVGER GRLDSELNRM QDLVEDFKNK YEDEINKRTT AENEFVMLKK DVDAAYMNKV ELEAKVDALM DEINFMKMF DAELSQQMTH VSDTSVLSM DNNRNLDLDS IIAEVKAQYE EIANRSRTEA ESWYQTKYEE LQQTAGRHDG DLRNTKHEIS EMNRMIQRLR AEIDNVKKQC ANLQNAIADA EQRGELALD ARNKLAEE ALQKAKQDMA RLLREYQELM NTKLALDVEI ATYRKLLEGE ECRLSGEGVG PVNISVTSS VSSGYGSGSG YGGGLGGGLG GGLGGGLAGG GSGSYSSSS GGVGLSGGLS VGGSGFSASS GRGLGVGFGS GGGSSSSVKF VSTSSSRKS 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
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_000415</u>



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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:

