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Product datasheet for AR51419PU-N

Cytokeratin 16 (1-473, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Cytokeratin 16 (1-473, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMTTCSRQ FTSSSSMKGS CGIGGGIGGG SSRISSVLAG GSCRAPSTYG GGLSVSSRFS SGGACGLGGG YGGGFSSSSS FGSGFGGGYG GGLGAGFGGG LGAGFGGGFA GGDGLLVGSE KVTMQNLNDR LASYLDKVRA LEEANADLEV KIRDWYQRQR PSEIKDYSPY FKTIEDLRNK IIAATIENAQ PILQIDNARL AADDFRTKYE HELALRQTVE ADVNGLRRVL DELTLARTDL EMQIEGLKEE LAYLRKNHEE EMLALRGQTG GDVNVEMDAA PGVDLSRILN EMRDQYEQMA EKNRRDAETW FLSKTEELNK EVASNSELVQ SSRSEVTELR RVLQGLEIEL QSQLSMKASL ENSLEETKGR YCMQLSQIQG LIGSVEEQLA QLRCEMEQQS QEYQILLDVK TRLEQEIATY RRLLEGEDAH LSSQQASGQS YSSREVFTSS SSSSSRQTRP ILKEQSSSSF SQGQSS
Tag:	His-tag
Predicted MW:	53.7 kDa
Concentration:	lot specific
Purity:	>90% 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 0.4M Urea, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human KRT16 protein, fused to His-tag at N-terminus, was expressed in E.coli.
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:	NP_005548
Locus ID:	3868

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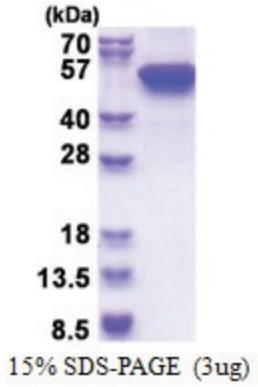
UniProt ID: P08779

Cytogenetics: 17q21.2

Synonyms: Cytokeratin-16, Keratin-16, Keratin 16, KRT16, KRT16A, CK16, K16

Summary: The protein encoded by this gene is a member of the keratin gene family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Most of the type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains and are clustered in a region of chromosome 17q12-q21. This keratin has been coexpressed with keratin 14 in a number of epithelial tissues, including esophagus, tongue, and hair follicles. Mutations in this gene are associated with type 1 pachyonychia congenita, non-epidermolytic palmoplantar keratoderma and unilateral palmoplantar verrucous nevus. [provided by RefSeq, Jul 2008]

Product images:



15% SDS-PAGE (3ug)