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Product datasheet for AR50900PU-N

Cytokeratin 8 (1-483, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Cytokeratin 8 (1-483, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMSIRVTQ KSYKVSTSGP RAFSSRSYTS GPGSRISSSS FSRVGSSNFR GGLGGGYGGA SGMGGITAVT VNQSLLSPLV LEVDPNIQAV RTQEKEQIKT LNNKFASFID KVRFLEQQNK MLETKWSLLQ QQKTARSNMD NMFESYINNL RRQLETLGQE KLKLEAELGN MQGLVEDFKN KYEDEINKRT EMENEFVLIK KDVDEAYMNK VELESRLEGL TDEINFLRQL YEEEIRELQS QISDTSVVLS MDNSRSLDMD SIIAEVKAQY EDIANRSRAE AESMYQIKYE ELQSLAGKHG DDLRRTKTEI SEMNRNISRL QAEIEGLKGQ RASLEAAIAD AEQRGELAIK DANAKLSELE AALQRAKQDM ARQLREYQEL MNVKLALDIE IATYRKLLEG EESRLESGMQ NMSIHTKTTS GYAGGLSSAY GGLTSPGLSY SLGSSFGSGA GSSSFSRTSS SRAVVVKKIE TRDGKLVSES SDVLPK
Tag:	His-tag
Predicted MW:	56 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 KRT8 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_001243211
Locus ID:	3856

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UniProt ID: Q7L4M3

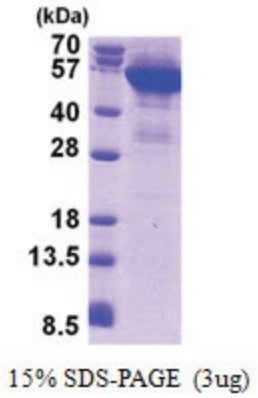
Cytogenetics: 12q13.13

Synonyms: KRT8, CYK8, Cytokeratin-8, CK8, Keratin-8, K8, Cytokeratin endo A

Summary: This gene 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. The product of this gene 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. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2012]

Protein Families: Druggable Genome

Product images:



15% SDS-PAGE (3ug)