

# Product datasheet for AR50900PU-S

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

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

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Cytokeratin 8 (1-483, His-tag) human recombinant protein, 0.1 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: Purified

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

UniProt ID: Q7L4M3



#### Cytokeratin 8 (1-483, His-tag) Human Protein - AR50900PU-S

Cytogenetics: 12q13.13

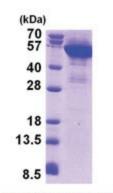
Synonyms: CARD2; CK-8; CK8; CYK8; K2C8; K8; KO

**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)