

## Product datasheet for AR00024PU-N

## CD227 / Mucin-1 / MUC1 Human Protein

**Product data:** 

**Product Type: Native Proteins** 

Description: CD227 / Mucin-1 / MUC1 human protein, 250 kU

Species: Human **Protein Source:** Milk

Concentration: lot specific

**Purity:** High speed centrifugation, salt precipitation and delipidation.

**Buffer:** Presentation State: Purified

State: Liquid purified

Buffer System: 1M Sodium chloride, 0.09% Sodium azide

Preparation: Liquid purified

**Applications:** Immunogen, calibrator in immunoassays and in vitro studies.

**Protein Description:** Human Cancer Antigen 15-3 (CA15-3) (Breast Cancer) Antigen Grade

Caution: All human source materials have tested negative for HIV1, HIV2, HCV antibodies and Note:

HBsAg. No test guarantees a product to be non-infectious. Therefore, all material derived

from human fluids or tissues should be considered as potentially infectious.

Store the protein undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Storage:

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 001018016

Locus ID: 4582 Cytogenetics: 1q22

Synonyms: ADMCKD; ADMCKD1; ADTKD2; CA 15-3; CD227; EMA; H23AG; KL-6; MAM6; MCD; MCKD;

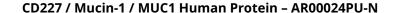
MCKD1; MUC-1; MUC-1/SEC; MUC-1/X; MUC1/ZD; PEM; PEMT; PUM



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com





**Summary:** 

This gene encodes a membrane-bound protein that is a member of the mucin family. Mucins are O-glycosylated proteins that play an essential role in forming protective mucous barriers on epithelial surfaces. These proteins also play a role in intracellular signaling. This protein is expressed on the apical surface of epithelial cells that line the mucosal surfaces of many different tissues including lung, breast stomach and pancreas. This protein is proteolytically cleaved into alpha and beta subunits that form a heterodimeric complex. The N-terminal alpha subunit functions in cell-adhesion and the C-terminal beta subunit is involved in cell signaling. Overexpression, aberrant intracellular localization, and changes in glycosylation of this protein have been associated with carcinomas. This gene is known to contain a highly polymorphic variable number tandem repeats (VNTR) domain. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Feb 2011]

**Protein Families:** 

Druggable Genome, Secreted Protein, Transmembrane