

KRT222 抗原（重组蛋白）

中文名称： KRT222 抗原（重组蛋白）

英文名称： KRT222 Antigen (Recombinant Protein)

别名： KA21; KRT222P

储存： 冷冻（-20℃）

相关类别： 抗原

概述

Full length fusion protein

技术规格

Full name:	keratin 222, type II
Synonyms:	KA21; KRT222P
Swissprot:	Q8N1A0
Gene Accession:	BC032815
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	KRT222, also known as KRT222P. KRT222 is a 295 amino acid protein belonging to the intermediate filament family. The gene encoding KRT222P has been listed as a pseudogene, however it has not been established that the protein is not translated, and is therefore treated as a protein coding gene. Existing as two alternatively spliced isoforms, the gene encoding KRT222P maps to human chromosome 17, which comprises over 2.5% of the human genome and encodes over 1,200 genes. Two key tumor suppressor genes are associated with chromosome 17, namely, p53 and BRCA1. Tumor suppressor p53 is necessary for maintenance of cellular genetic integrity by moderating cell fate th

rough DNA repair versus cell death. Malfunction or loss of p53 expression is associated with malignant cell growth and Li-Fraumeni syndrome. Like p53, BRCA1 is directly involved in DNA repair, though specifically it is recognized as a genetic determinant of early onset breast cancer and predisposition to cancers of the ovary, colon, prostate gland and fallopian tubes.