

Recombinant Human KRT222

Catalog No: #GP12314



Package Size: #GP12314-1 100ug

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Description

Product Name	Recombinant Human KRT222
Brief Description	Recombinant Protein
Immunogen Description	Full length fusion protein
Target Name	keratin 222, type II
Other Names	KA21; KRT222P
Accession No.	Swissprot:Q8N1A0Gene Accession:BC032815
Uniprot	Q8N1A0
GeneID	125113;
Storage	-20~-80°C, pH 7.6 PBS

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 through 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.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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