Recombinant Human C1orf101

Catalog No: #GP12668

Package Size: #GP12668-1 100ug

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Description

Product Name	Recombinant Human C1orf101
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 633-832 amino acids of human C1orf101
Target Name	chromosome 1 open reading frame 101
Accession No.	Swissprot:Q5SY80Gene Accession:BC032859
Uniprot	Q5SY80
GeneID	257044;
Storage	-20~-80°C, pH 7.6 PBS

Background

Chromosome 1 is the largest human chromosome spanning about 260 million base pairs and making up 8% of the human genome. There are about 3,000 genes on chromosome 1, and considering the great number of genes there are also a large number of diseases associated with chromosome 1. Notably, the rare aging disease Hutchinson-Gilford progeria is associated with the LMNA gene which encodes lamin A. When defective, the LMNA gene product can build up in the nucleus and cause characteristic nuclear blebs. The mechanism of rapidly enhanced aging is unclear and is a topic of continuing exploration. The MUTYH gene is located on chromosome 1 and is partially responsible for familial adenomatous polyposis. Stickler syndrome, Parkinsons, Gaucher disease and Usher syndrome are also associated with chromosome 1. A breakpoint has been identified in 1q which disrupts the DISC1 gene and is linked to schizophrenia. Aberrations in chromosome 1 are found in a variety of cancers including head and neck cancer, malignant melanoma and multiple myeloma. The C1orf101 gene product has been provisionally designated C1orf101 pending further characterization.

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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