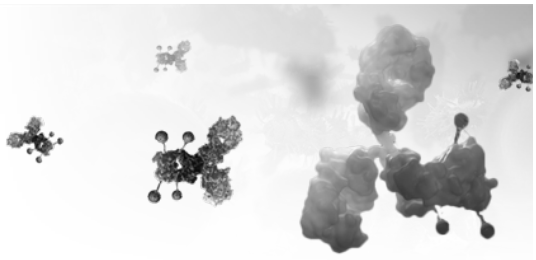

Human POT1 blocking peptide (DAG-P1055)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene is a member of the telombin family and encodes a nuclear protein involved in telomere maintenance. Specifically, this protein functions as a member of a multi-protein complex that binds to the TTAGGG repeats of telomeres, regulating telomere length and protecting chromosome ends from illegitimate recombination, catastrophic chromosome instability, and abnormal chromosome segregation. Increased transcriptional expression of this gene is associated with stomach carcinogenesis and its progression. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jul 2008]
Specificity	Ubiquitous.
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the telombin family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	POT1 protection of telomeres 1 [Homo sapiens (human)]
Official Symbol	POT1
Synonyms	POT1; protection of telomeres 1; HPOT1; protection of telomeres protein 1; protection of telomeres 1 homolog; POT1-like telomere end-binding protein;

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Entrez Gene ID	25913
mRNA Refseq	NM_001042594.1
Protein Refseq	NP_001036059.1
UniProt ID	A8MTK3
Chromosome Location	7q31.33
Pathway	Cell Cycle, organism-specific biosystem; Cellular Senescence, organism-specific biosystem; Cellular responses to stress, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; DNA Damage/Telomere Stress Induced Senescence, organism-specific biosystem; Meiosis, organism-specific biosystem; Meiotic Synapsis, organism-specific biosystem; Packaging Of Telomere Ends, organism-specific biosystem; Regulation of Telomerase, organism-specific biosystem; Shelterin complex, organ
Function	DEAD/H-box RNA helicase binding; protein binding; single-stranded telomeric DNA binding; single-stranded telomeric DNA binding; telomerase inhibitor activity;

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221