



SLX4 peptide (DAG-P1173)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a structure-specific endonuclease subunit. The encoded protein contains a central BTB domain and it forms a multiprotein complex with the ERCC4(XPF)-ERCC1, MUS81-EME1, and SLX1 endonucleases, and also associates with MSH2/MSH3 mismatch repair complex, telomere binding complex TERF2(TRF2)-TERF2IP(RAP1), the protein kinase PLK1 and the uncharacterized protein C20orf94. The multiprotein complex is required for repair of specific types of DNA lesions and is critical for cellular responses to replication fork failure. The encoded protein acts as a docking platform for the assembly of multiple structure-specific endonucleases.[provided by RefSeq, Jan 2011]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the SLX4 family.Contains 1 BTB (POZ) domain.
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	SLX4 SLX4 structure-specific endonuclease subunit [Homo sapiens (human)]
Official Symbol	SLX4
Synonyms	SLX4; SLX4 structure-specific endonuclease subunit; FANCP; BTBD12; MUS312; structure-specific endonuclease subunit SLX4; BTB (POZ) domain containing 12; BTB/POZ domain-containing protein 12; SLX4 structure-specific endonuclease subunit homolog;

Entrez Gene ID	84464
mRNA Refseq	NM_032444.2
Protein Refseq	NP_115820.2
UniProt ID	Q8IY92
Chromosome Location	16p13.3
Pathway	Fanconi anemia pathway, organism-specific biosystem; Fanconi anemia pathway, conserved biosystem;
Function	contributes_to 3-flap endonuclease activity; contributes_to 5-flap endonuclease activity; contributes_to crossover junction endodeoxyribonuclease activity; enzyme activator activity; protein binding;