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32-2781: REV1 Recombinant Protein

Alternative Name :	REV1 Polymerase (DNA Directed),REV1L,Alpha Integrin-Binding Protein 80,Rev1-Like Terminal Deoxycytidyl Transferase,AIBP80,REV1 (Yeast Homolog)- Like,REV1 Homolog (S. Cerevisiae) ,REV1-Like (Yeast) ,DNA Repair Protein REV1,REV1 Homolog

Description

Source : Escherichia Coli. REV1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 227 amino acids (51-256) and having a molecular mass of 25.2kDa.REV1 is fused to a 21 amino acid His-tag at N-terminus. REV1 Polymerase (REV1) contains a BRCT domain, which is imperative in protein-protein interactions. REV1 is a deoxycytidyl transferase involved in DNA repair. REV1 assists in the 1st step in the bypass of abasic lesions by the incorporation of a nucleotide opposite the lesion. REV1 is essential for normal generation of mutations by physical and chemical agents. REV1 transfers a dCMP residue from dCTP to the 3'-end of a DNA primer in a template-dependent reaction. A role for the human Rev1-like protein has been suggested as a scaffold which recruits DNA polymerases involved in translesion synthesis (TLS) of damaged DNA.

Product Info

Amount :	20 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	The REV1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGVAIYVNGY TDPSAEELRK LMMLHGGQYH VYYSRSKTTH IIATNLPNAK IKELKGEKVI RPEWIVESIK AGRLLSYIPY QLYTKQSSVQ KGLSFNPVCR PEDPLPGPSN IAKQLNNRVN HIVKKIETEN EVKVNGMNSW NEEDENNDFS FVDLEQTSPG RKQNGIPHPR GSTAIFNGHT PSSNGALKTQ DCLVPMVNSV ASRLSPA.

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