

Recombinant human REV1 protein

Catalog Number: ATGP2668

PRODUCT INFORMATION

Expression system

E.coli

Domain

51-256aa

UniProt No.

Q9UBZ9

NCBI Accession No.

NP_057400

Alternative Names

DNA repair protein REV1, DNA repair protein REV1, REV1L

PRODUCT SPECIFICATION

Molecular Weight

25.2 kDa (227aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

REV1 contains a BRCT domain, which is important in protein-protein interactions. A suggested role for the human Rev1-like protein is as a scaffold that recruits DNA polymerases involved in translesion synthesis (TLS) of damaged DNA. Two alternatively spliced transcript variants that encode different proteins have been found. Recombinant human REV1 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

MGSSHHHHHHH SSGLVPRGSH MGVAIYVNGY TDPSAEELRK LMMLHGGQYH VYYSRSKTHH IIATNLPNAK IKELKGEKVI

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RPEWIVESIK AGRLLSYIPY QLYTKQSSVQ KGLSFNPVCR PEDPLPGPSN IAKQLNNRVN HIVKKIETEN EVKVNGMNSW
NEEDENND FS FVDLEQTSPG RKQNGIPHR GSTAIFNGHT PSSNGALKTQ DCLVPMVNSV ASRLSPA

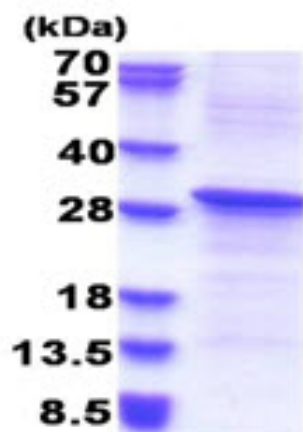
General References

Gibbs P.E.M., et al. (2000) Proc. Natl. Acad. Sci. U.S.A. 97:4186-4191

Masuda Y., et al. (2001) J. Biol. Chem. 276:15051-15058

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)