

Datasheet for ABIN7564842

REV1 Protein (AA 1-1249) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	REV1
Protein Characteristics:	AA 1-1249
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This REV1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Rev1 Protein expressed in mammalian cells.
Sequence:	<p>MRRGGWRKRT ENDGWEKWGG YMAAKVQKLE EQFRTDAANQ KDGTASAI FS GVAIYVNGYT</p> <p>DPSAEELRNL MMLHGGQYHV YYSRSKTTHI IATNLPNAKI KELKGEKVIR PEWIVESIKA</p> <p>GRLSSAPYQ LYTKPSAAQK SLNFPVCKP EDPGPGPSNR AKQLNNRVNH IIKKIETESE</p> <p>VKANGLSSWN EDGVNDDFSF EDLEHTFPGR KQNGVMHPRD TAVIFNGH TH SSNGALKTQD</p> <p>CLVPVGNSVA SRLSLDSTQE EKRAEKSNA DFRDCTVQHLQ HSTRSADALR SPHRTNSLSP</p> <p>SLHSNTKING AHHSTVQGPS STKSTSVLTL SKVAPSVPSK PSDCNFISDF YSRSRLHHIS</p> <p>TWKCELTEFV NTLQRQSSGI FPGREKLKKV KTGRSSLVVT DTGTMSVLSS PRHQSCVMHV</p> <p>DMDCCFFVSVG IRNRPDLK GK PVAVTSNRGT GTAPLRPGAN PQLEWQYYQN RALRGKAADI</p> <p>PDSSVWENQD STQTNGIDSV LSKEIASCS YEARQVG IKN GMFFGYAKQL CPNLQAVPYD</p> <p>FHACREVAQA MYETLAS YTH SIEAVSCDEA LIDVTDILAE TKLSPEEF AA ALRIEIKDKT</p> <p>KCAASVGIGS NILLARMATK KAKPDGQYHL QPDEVD D FIR GQLVTNLPGV GRSMESKLAS</p> <p>LGIKTCGDLQ CLTMAKLQKE FGPKTGQMLY RFCRGLDDRP VRTEKERKSV SAEINYGIRF</p>

TQPKEAEAFLLSLSEEIQRRLEAAGMKGKRLTLKIMVRKPGAPIETAKFGGHGICDNIAR
TVTLDAQATDSAKIIGKATLNMFHTMKLNISDMRGVGIQVNQLVPANSNLS TCSSRPSAQSLFSGRPHSV
RDLFQLQKAKKPTEEEHKEVFLAAVDLEVSSTSRACGLLSPLSAHLAASVSPDTNSGECSSRKWNGLHSPV
SGQSRLNLSIEVSPSQIDQSVLEALPLDLREQIEQVCAAQQGEPRGKKKEPVNGCSSGLPHPVGTVLL
QIPEPQPCN SDSKISVIALPAFSQVDPDVFAALPAELQKELKAAYDQRQRQGEDTTHQQPTSTSVKPNP
LLQLKPPAMKDKRNKRKNLIGSPRKSPLKNKLLSSPAKTLPGAYGSPQKLMGFLQHEGMASERPLEEVS
ASTPGAQDLSLLPGQSSCFRPAAPNLAGAVEFSDVKLTLLKEWITTISDPMEEDILQVVR YCTDLIEEKD
LEKLDLVIKYMKRLMQQSVE SVWNMAFDLIDNVQVVLQQ TYGSTLKVT **Sequence without tag.**

The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: REV1

Target Details

Alternative Name:	Rev1 (REV1 Products)
Background:	DNA repair protein REV1 (EC 2.7.7.-) (Rev1-like terminal deoxycytidyl transferase),FUNCTION: Deoxycytidyl transferase involved in DNA repair. Transfers a dCMP residue from dCTP to the 3'-end of a DNA primer in a template-dependent reaction. May assist in the first step in the bypass of abasic lesions by the insertion of a nucleotide opposite the lesion. Required for normal induction of mutations by physical and chemical agents. {ECO:0000269 PubMed:11711549}.
Molecular Weight:	137.3 kDa
UniProt:	Q920Q2
Pathways:	DNA Damage Repair , Regulation of Actin Filament Polymerization , Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months