Datasheet for ABIN7555143

REV1 Protein (AA 1-1251) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	REV1
Protein Characteristics:	AA 1-1251
Origin:	Human
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:	MRRGGWRKRA ENDGWETWGG YMAAKVQKLE EQFRSDAAMQ KDGTSSTIFS GVAIYVNGYT DPSAEELRKL MMLHGGQYHV YYSRSKTTHI IATNLPNAKI KELKGEKVIR PEWIVESIKA GRLLSYIPYQ LYTKQSSVQK GLSFNPVCRP EDPLPGPSNI AKQLNNRVNH IVKKIETENE VKVNGMNSWN EEDENNDFSF VDLEQTSPGR KQNGIPHPRG STAIFNGHTP SSNGALKTQD CLVPMVNSVA SRLSPAFSQE EDKAEKSSTD FRDCTLQQLQ QSTRNTDALR NPHRTNSFSL SPLHSNTKIN GAHHSTVQGP SSTKSTSSVS TFSKAAPSVP SKPSDCNFIS NFYSHSRLHH ISMWKCELTE FVNTLQRQSN GIFPGREKLK KMKTGRSALV VTDTGDMSVL NSPRHQSCIM HVDMDCFFVS VGIRNRPDLK GKPVAVTSNR GTGRAPLRPG ANPQLEWQYY QNKILKGKAA DIPDSSLWEN PDSAQANGID SVLSRAEIAS CSYEARQLGI KNGMFFGHAK QLCPNLQAVP YDFHAYKEVA QTLYETLASY THNIEAVSCD EALVDITEIL AETKLTPDEF ANAVRMEIKD QTKCAASVGI GSNILLARMA TRKAKPDGQY HLKPEEVDDF IRGQLVTNLP GVGHSMESKL ASLGIKTCGD LQYMTMAKLQ KEFGPKTGQM LYRFCRGLDD RPVRTEKERK SVSAEINYGI

Product Details

	RFTQPKEAEA FLLSLSEEIQ RRLEATGMKG KRLTLKIMVR KPGAPVETAK FGGHGICDNI ARTVTLDQAT DNAKIIGKAM LNMFHTMKLN ISDMRGVGIH VNQLVPTNLN PSTCPSRPSV QSSHFPSGSY SVRDVFQVQK AKKSTEEEHK EVFRAAVDLE ISSASRTCTF LPPFPAHLPT SPDTNKAESS GKWNGLHTPV SVQSRLNLSI EVPSPSQLDQ SVLEALPPDL REQVEQVCAV QQAESHGDKK KEPVNGCNTG ILPQPVGTVL LQIPEPQESN SDAGINLIAL PAFSQVDPEV FAALPAELQR ELKAAYDQRQ RQGENSTHQQ SASASVPKNP LLHLKAAVKE KKRNKKKKTI GSPKRIQSPL NNKLLNSPAK TLPGACGSPQ KLIDGFLKHE GPPAEKPLEE LSASTSGVPG LSSLQSDPAG CVRPPAPNLA GAVEFNDVKT LLREWITTIS DPMEEDILQV VKYCTDLIEE KDLEKLDLVI KYMKRLMQQS VESVWNMAFD FILDNVQVVL QQTYGSTLKV T **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.-) (Alpha integrin-binding protein 80) (AIBP80) (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:10536157, ECO:0000269|PubMed:10760286, ECO:0000269|PubMed:11278384, ECO:0000269|PubMed:11485998, ECO:0000269|PubMed:22266823}.
Molecular Weight:	138.2 kDa
UniProt:	Q9UBZ9
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

