

Datasheet for ABIN7563658
PREX2 Protein (AA 1-1598) (His tag)



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Overview

Quantity:	1 mg
Target:	PREX2 (DEPDC2)
Protein Characteristics:	AA 1-1598
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PREX2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Prex2 Protein expressed in mammalien cells.
Sequence:	MSDESAREVD KQLRLRVCVL SELQKTERDY VGTLEFLVSA FLHRMNQCAA AKVDKNVTEE TVKMLFSNIE EILIVHKEFL KVVEECLYPE PSAQQEVGAC FLHFKDKFRI YDEYCSNHEK AQKLLLELNK IRTIRTFLLN CMLLGGRKNT DVPLEGYLVY PIQRICKYPL LLKELLKRTP RRHSDYTAVM EALQAMKAVC SNINEAKRQM EKLEVLEEWQ AHIEGWEGSN ITDTCTEMLM CGVLMKISSG NIQERVFFLF DNLLVYCKRK HRRLKNSKAS TDGYRYVFRG RINTEVMEVE NVDDGTADFH SSGHIVVNGW KIHNTAKNKW FVCMASPEE KHEWFMAILK ERERRKGLKL GMEQDTWVMI SEQGEKLYKM MCKQGNLIKD RKRKLTTFPK CFLGSEFVSW LLEIGEIHRP EEGVHLGQAL LENGIIHHVT DKHQFKPEQM LYRFRYDDGT FYPRSEMQDV ISKGVRLYCR LHSLFTPVVR DKDYHLRTYK SVMANKLID WLIAQGDCRT REEAMIFAVG LCDNGFMHHV LEKSEFKDEP LLFRFFADEE MEGSNMKHRL MKHDLKVVEN VIAKSLLIK SNEGSYGFGL DKNKVPIIKL VEKGSNAEMA GMEVGKKIFA INGDLVFLRP FPEVDCFLKS CLNSRKPLRV

LVSTKPRETV KIPDSADGLG FQIRGFGPSV VHAVGRGTVA AAAGLHPGQC IIKVNGINVS
KETHASVIAH VTACRKYKRP MKQDSIQWVY DSLESAQEDI QKSHSKPPGD GAGDAFECKV
EDVIDKFNTM AIIDGKKEHV SLTVDNVHLE YGVVYEYDST AGTKCNVVEK MVEPKGFFSL
TAKILEALAK SDEHVFQNCT SLNSLNEVIA TDLQSKFTSM CSERIEHVCH RISSYGRFSR
VLKNRAWPTF KQAKPKISPL HSSDFCPTNC HVNVMEVSYP KTSTSLGSAF GVQLDSRKHN
SHDKENKSVE PGKLSPMVYI QHTITTMAAP SGLSLGHKDG HGLQYLLKEE DLETQDIYHK
LLGKLQTALK EVEMSVQCID DLLSSITYSP KLERKTTECV TPMDSNEKG ERNSKRVCFN
VAGDEQEDSG HDTVSNRDSY SDCNSNRNSI ASFTSICSSQ CSSYFHSDEM DSGDELPISV
RISHDKQDKI HTCLEQLFSQ IDSIINLLKG QAVIRAFEQT KYLTPGRGLQ EFQQEMEAKL
SCPRRLRLHL KQDPWNLPSS IQALAQSIK HAAEVKCRIL LALLEYSDE TQLRRDMVFC
QSLVATVCAF SEQLMAALNQ MFDNSKENEM ETCEASRRWL DQIANAGVLF HFQSLLSPNL
KDEQAMLEDT LVALFDLEKV SFFFKPSEED PLVANVPLTY QVEGSRQALK VYFYMDSYHF
EQLPQRLKNG GGFKIHPVLF SQALESMEGY CYRDNISVEE FQAQINTASL EKVKQYNQKL
RAFYLKSNNS PPNTTSCAAY IDKLMKPLNA LDELYRLITS FIRSKRIAAC VNTPCSASGV
GLLSVSSELC DRLGACHIIM CSSGVHRCTL SVTLEQTITL ARSHGLPPRY IMQAMDVMRK
QGARVQNTAK NLGVRDRTPQ SAPRLYKLCE PPPVGGEE **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.**

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, Western Blot

Product Details

Grade: custom-made

Target Details

Target: PREX2 (DEPDC2)

Alternative Name: Prex2 ([DEPDC2 Products](#))

Background: Phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 2 protein (P-Rex2) (PtdIns(3,4,5)-dependent Rac exchanger 2) (DEP domain-containing protein 2),FUNCTION: Functions as a RAC1 guanine nucleotide exchange factor (GEF), activating Rac proteins by exchanging bound GDP for free GTP. Its activity is synergistically activated by phosphatidylinositol 3,4,5-trisphosphate and the beta gamma subunits of heterotrimeric G protein. Mediates the activation of RAC1 in a PI3K-dependent manner. May be an important mediator of Rac signaling, acting directly downstream of both G protein-coupled receptors and phosphoinositide 3-kinase (By similarity). {ECO:0000250}.

Molecular Weight: 181.7 kDa

UniProt: [Q3LAC4](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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