

Datasheet for ABIN7555072

PREX2 Protein (AA 1-1606) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PREX2 (DEPDC2)
Protein Characteristics:	AA 1-1606
Origin:	Human
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 mammalian cells.
Sequence:	<p>MSEDSRGDSR AESAKDLEKQ LRLRVCVLSE LQKTERDYVG TLEFLVSAFL HRMNQCAASK VDKNVTEETV KMLFSNIEDI LAVHKEFLKV VEECLHPEPN AQQEVGTCFL HFKDKFRIYD EYCSNHEKAQ KLLLELNKIR TIRTFLLNCM LLGGRKNTDV PLEGYLVTPI QRICKYPLIL KELLKRTPRK HSDYAAVMEA LQAMKAVCSN INEAKRQMEK LEVLEEWQSH IEGWEGSNIT DTCTEMLMCG VLLKISSGNI QERVFFLFDN LLVYCKRKHR RLKNSKASTD GHRYLFRGRI NTEVMEVENV DDGTADFHSS GHIVVNGWKI HNTAKNKWV CMAKTPEEKH EWFEAILKER ERRKGLKLG M EQDTWVMISE QGEKLYKMMC RQGNLIKDRK RKLTTFPKCF LGSEFVSWLL EIGEHRPEE GVHLGQALLE NGIIHVTDK HQFKPEQMLY RFRYDDGTFY PRNEMQDVIS KGVRLYCR LH SLFTPVIRDK DYHLRITYKSV VMANKLIDWL IAQGDCRTRE EAMIFGVGLC DNGFMHHVLE KSEFKDEPLL FRFFSDEEME GSNMKHRLMK HDLKVVENVI AKSLLIKSNE GSYGFGLGLEDK NKVPIIKLVE KGSNAEMAGM EVGKKIFAIN GDLVFMRPFN EVDCFLKSCL</p>

NSRKPLRVLV STKPRETVKI PDSADGLGFQ IRGFGPSVVH AVGRGTVAAG AGLHPGQCII
KVNGINVSKE THASVIAHVT ACRKYRRPTK QDSIQWVYNS IESAQEDLQK SHSKPPGDEA
GDAFDCKVEE VIDKFNTMAI IDGKKEHVSL TVDINVHLEYG VVYEYDSTAG IKCNVVEKMI
EPKGGFFSLTA KILEALAKSD EHFVQNCTSL NSLNEVIPTD LQSKFSALCS ERIEHLQORI
SSYKKFSRVL KNRAWPTFKQ AKSKISPLHS SDFCPTNCHV NVMEVSYPKT STSLGSAFGV
QLDSRKHNSH DKENKSSEQG KLSPMVYIQH TITMAAPSG LSLGQQDGHG LRYLLKEEDL
ETQDIYQKLL GKLQTALKEV EMCVCQIDDL LSSITYSPKL ERKTSEGIIP TDSANEKGER
NSKRVCFNVA GDEQEDSGHD TISNRDSYSD CNSNRNSIAS FTSICSSQCS SYFHSDEMDS
GDELPLSVRI SHDKQDKIHS CLEHLFSQVD SITNLLKGQA VVRAFDQTKY LTPGRGLQEF
QQEMEPKLSK PKRLRLHIKQ DPWNLPSSVR TLAQNIRKQV EEVKCRLLLA LLEYSSETQ
LRRDMVFCQT LVATVCAFSE QLMAALNQMFDNSKENEMET WEASRRWLDQ IANAGVLFHF
QSLSPNLTD EQAMLEDTLV ALFDLEKVSF YFKPSEEEPL VANVPLTYQA EGSRQALKVY
FYIDSYHFEQ LPQRLKNGGG FKIHPVLFAQ ALESMEGYYY RDNVSVVEEFQ AQINAASLEK
VKQYNQKLRA FYLDKSNP NSTSKAAYVD KLMRPLNALD ELYRLVASFI RSKRTAACAN
TACSASGVGL LSVSSELCNR LGACHIIMCS SGVHRCTLSV TLEQAAILAR SHGLPPRYIM
QATDVMRKQG ARVQNTAKNL GVRDRTPQSA PRLYKLCEPP PPAGEE **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. {ECO:0000269|PubMed:15304342, ECO:0000269|PubMed:15304343, ECO:0000269|PubMed:15897194}.

Molecular Weight: 182.6 kDa

UniProt: [Q70Z35](#)

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