

Datasheet for ABIN7564475
POGZ Protein (AA 1-1409) (His tag)



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Overview

Quantity:	1 mg
Target:	POGZ
Protein Characteristics:	AA 1-1409
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This POGZ protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Pogz Protein expressed in mammalian cells.
Sequence:	MADTDLFMEC EEEEELEPWQK ISDVIEDSVV EDYNSVDKTT SVSVSQQPVS APVPIAAHAS VAGHLSTSTT VSNSGAQNSD STKKTLVTLI ANNNAGNTLV QGGGQPLILT QNPAPGLGTM VTQPVLRPVQ VMQNaNHVTS SPVASQPIFI TTQGFVVRNV RVPQNAMNQV GIVLNVQQGQ TVRPITLVPA PGTQFVKPTV GVPQVFSQMT PVRPGSTMPV RPTTNTFTTV IPATLTIRST VPQSQSQQTK STPSTSTTPT ATQPTSLGQL AGQPPGQSNQ TSNPKLAPSF PSPPAVSIAS FVTVKRPGVT GENSNEVAKL VNTLNTVPSL GQSPGPVVVS NNSSAORTSG PESSVKVTSS IPVFDLQDGG RKICPRCNAQ FRVTEALRGH MCYCCPEMVE YQKKGKSLDA EPSVPSAAKP SSPEKTAPVT STPSSTPIPA LSPPTKVPEP NENAGDAVQT KLIMLVDDFY YGRDGGKAAQ LTSFPKVATS FRCPHCTKRL KNNIRFMNHM KHHVELDQQN GEVDGHTICQ HCYRQFSTPF QLQCHLENVH SPYESTTKCK ICEWAFESL LFLQHMKDTH KPGEMPYVCQ VCQYRSSLYS EVDVHFRMIH EDTRHLLCPY CLKVFKNGNA FQQHYMRHQK RNVYHCNKCR LQFLFAKDKI EHKLQHHKTF RPKPKLEGLK PGTKVTIRAS RGQPRTPVPS SNDAPSGTLQ EAAALTSTDP

LPVFLYPPVQ RNIQKRAVRK MSVMGRQTCL ECSFEIPDFP NHFPTYVHCS LCRYSTCCSR
AYANHMINNH VPRKSPKYLA LFKNSVSGIK LACTSCTFAT SVGDAMAKHL VFNPSHRSSN
ILPRGLSWMS HLRPGQASER VFDWSMKNTY LPPPLVPNKA ATVKPVGVTVP AEPQELAGPV
LQALPSPAST ATPPATPTHP QPSALPPSAT EGTECLNVSE QEEGSPVTQD PEPASGGGGG
SGVGKKEQLS VKKLRVVLFA LCCNTEQAAE HFRNPQRRIR RWLRRFQASQ GENLEGKYLS
FEAEEKLAEW VLIQREQQLP VNEETLFQKA TKIGRSLEGG FKISYEWAVR FMLRHHLTPH
ARRAVAHTLP KHVAENAGLF IEFVQRQIHN QDLPLSMIVA IDEISLFLDT EVLSSDDRKE
NALQTVGTGE PWCDVVLAIL ADGTVLPTLV FFRGQANRFA NVPDSILLEA KDSGYSDDDEI
MELWSTRVWK KHTACQHSKS MLVMDCHRTH LSEEVLALLS ASSTLPAVVP AGCSSKIQPL
DVCIKRTVKN FLHKKWKEQA REMADAACDS DVLLQLVLVW LGEVLGVIGD SPELVQRSFL
VASVLPGPDG NVNSPTRNAD MQEELIASLE EQLKLNGEQS EEHSASAPRP RSSPEETVEP
ESLHQLFEGE SETESFYGFE EADLDLMEI **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:	POGZ
Alternative Name:	Pogz (POGZ Products)
Background:	Pogo transposable element with ZNF domain,FUNCTION: Plays a role in mitotic cell cycle progression and is involved in kinetochore assembly and mitotic sister chromatid cohesion. Probably through its association with CBX5 plays a role in mitotic chromosome segregation by regulating aurora kinase B/AURKB activation and AURKB and CBX5 dissociation from chromosome arms (By similarity). Promotes the repair of DNA double-strand breaks through the homologous recombination pathway (By similarity). {ECO:0000250 UniProtKB:Q7Z3K3}.
Molecular Weight:	154.9 kDa
UniProt:	Q8BZH4

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