



[Go to Product page](#)

Datasheet for ABIN3135088

PEG3 Protein (AA 1-1571) (His tag)

1 Image

Overview

Quantity:	1 mg
Target:	PEG3
Protein Characteristics:	AA 1-1571
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PEG3 protein is labelled with His tag.
Application:	Crystallization (Crys), ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Sequence: MYHHEDDTNS DMNSDDDDMSR SGRETPPPRP SHAFGSERDL ERRGRSRDVE PRDRWPYTRN
PRSRLPQRDL SLPVMSRPHF GLDRDDDRRS MDYESRSQDA ESYQNVVELK EDKPKQNPQI
DNLENYRKLL SLGVQLAEDD RSHMTQGHS SRSKRTAYPS TSRGLKPMPE AKKPSHRRGI
CEDESSHGVI MEKFIKDVAR NPKSGRAREL NERPPPRFPR PNDNWKDSSS SRRESVIQER
GYEGSAFRGG FRFNADLASR SRALERKRRY HFDSDERGSG HEHKSCVRKK PFECGAEMRQ
AMSMGNLNSP SFSESQSIDF GANPYVCDEC GRQFSVISEF VEHQIMHTRE NLYEYGESFI
HSVAVNEVQK GQGGGKRFEC KECGETFSRS AALAEHRQIH AREYLAECDR QEDEETIMPS
PTFSELQKMY GKDKFYECKV CKETFLHSSA LIEHQKIHGR GNSDDRDNER ERERDRLRAR
AREQRERERE RERERELGEP FLTCPNFNEF RKMYRKDIY ECKVCGESFL HLSSLREHQK
IHTRGNPFEN KSRMCEETFV PSQSLRRRQK TYREKLDFDN NARDALMGNS DSSEHQKNRS
RRNFFEGRGF EKPFFVESQKS HTITRPPENK DDDKPFTISV NPNDKLFPI MENGSQGKSY
ERSVIHSLGS AEAQKSHGGL GFSKPRPVAE SSTQSSSIY YPRAHSGGNT YEGKEYKDSI

IHSLPAPRPL KRHRANDHIQ CDEGGESSIY IPDIINKGRK IPAREDAYEG SSSSNYHTPN
VSRAEPPSLG GESHDSKQDV TFSVPSSSVR EHQAARAKKK YIEPRNNETS VIHSLPFGEL
LAGHRRAKFF ECQECGEAFA RRSELIEHQK IHDRERPSGS RHYERSVIRS LAPSDPQTSY
AQERFIQEQV RKFRAFGQRS TTSNNLSVQK IYAQETFNAE EPHDKETHGQ KIHDKPEYQK
EPGKPEPHGD EPQDKEPLDQ EMRSEEPHDD KPHGQEPHDD KPHGQEPHDD KPHGQEPHGD
EPHGQEPHGD EPHDKPEIDQ EMRSEEPHSE ESHGDEPHGE ESHGQEKVED ATIQASVSEE
HQKDDAGDAI YECQDCGLGF TDLNDLTSHQ DTHSRKALVD SREYAHSEVH AHSVSEFEKK
CSGKLYECP KCGESFIHSS LLFEHQRVHE QDQLYSVKAC DDAFIALLPV RPRRNCTVER
NPAVSGSAIR CRQCQGGFIH SSALNEHMRQ HRDNEIMEQS ELSDEIFIQG LALTEYQGSE
TEEKLFECTI CGECFFTAKQ LGDHHTKVHK DEPYEYGPSY THASFLTEPL RKHIPLYECK
DCGQSFLDDT VIAERMVFHP EREGGSEIVA ATAQEVEANV LIPQEVLRQ GSNAEAAEPE
VEAAEPEVEA AEPEVEAAEP NGEAEGPDGE AAEPDGEAEQ PNGEAEQPNG DADEPDGAGI
EDPEERADEP EEDVEEPEGD ADEPDGADIE DPEEEGEDQE IEVEEPPYNC HECAETFASS
SAFGEHLKSH ASVIIFEPAN APGECSGYIE RASTSAGGAE QADDKYFKCD VCGQLFNDR
SLARHNSHT G

Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.

Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Mouse Peg3 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- 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 will ensure that you receive a correctly folded protein.

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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receipt of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm.

The protein's absorbance will be measured in several dilutions and is measured against its

Product Details

specific reference buffer.

The concentration of the protein is calculated using its specific absorption coefficient. We use the ExPASy's protparam tool to determine the absorption coefficient of each protein.

Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells: <ol style="list-style-type: none">1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade

Target Details

Target:	PEG3
Alternative Name:	Peg3 (PEG3 Products)
Background:	Induces apoptosis in cooperation with SIAH1A. Acts as a mediator between p53/TP53 and BAX in a neuronal death pathway that is activated by DNA damage. Acts synergistically with TRAF2 and inhibits TNF induced apoptosis through activation of NF-kappa-B. Plays a role in regulating maternal behavior and offspring growth. {ECO:0000269 PubMed:10195900, ECO:0000269 PubMed:10681424, ECO:0000269 PubMed:11943780, ECO:0000269 PubMed:9500555}.
Molecular Weight:	179.9 kDa Including tag.
UniProt:	Q3URU2

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.
Comment:	Protein has not been tested for activity yet. In cases in which it is highly likely that the

Application Details

recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: 100 mM NaCl, 20 mM Hepes, 10% glycerol. pH value 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: Unlimited (if stored properly)

Images



Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process