

Datasheet for ABIN7564163
INO80 Protein (AA 1-1559) (His tag)



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Overview

Quantity:	1 mg
Target:	INO80
Protein Characteristics:	AA 1-1559
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This INO80 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Ino80 Protein expressed in mammalien cells.
Sequence:	MASELGAGDD GSSTELAKPL YLQYLERALR LDHFLRQTSA IFNRNISSDD SEDGLDDNNP LLPESGDPLI QVKEEPPNSL LGETSGASSS GLLNPYSLNG VLQSESKSDK GNLYNFSKLL KSRKWLKSIL LSDESSEADS QSEDNDDEEE ELSLSREELH NMLRLHKYKK LHQNKYSKDK ELQQYQYSA GLLSTYDPFY EQQRHLLGPK KKKFKEDKKL KAKLKKVKKK RRRDEEFSSE ESPRHHHHQT KVFAKFSHDA PPPGTKKKHL SIEQLNARRR KVWLSIVKKE LPKANKQKSS ARNLFLTNSR KLAHQCMKEV RRAALQAQKN CKETLPRARR LTKEMLLYWK KYEKVEKEHR KRAEKEALEQ RKLDEEMREA KRQQRKLNFL ITQTELYAHF MSKRDMGHD GIQEEILRKL EDSSTQRQID IGGGVVVNIT QEDYDSNHFK AQALKNAENA YHIHQARTS FDEDAKESRA AALRAADKSG SGFGESYSLA NPSIRAGEDI PQPTIFNGKL KGYQLKGMNW LANLYEQGIN GILADEMGLG KTVQSIALLA HLAERENIWG PFLIISPAST LNNWHQEFTR FVPKFKVLPY WGNPHDRKVI RRFWSQKTLY TQDAPFHVVI TSYQLVVQDV KYFQRVKWQY MVLDEAQALK

SSSSVRWKIL LQFQCRNRL LTGTPIQNTM AELWALLHFI MPTLFDSHEE FNEWFSKDIE
SHAENKSAID ENQLSRLHMI LKPFMLRRIK KDVENELSDK IEILTYCQLT SRQKLLYQAL
KNKISIEDLL QSSMGSTQQA QNTTSSLMNL VMQFRKVCNH PELFERQETW SPFHISLKPY
EISKFIYRHG QIRVFNHSRD RWLKVLLSPF APDYIQQLF HRKGINEGSC FSFLRFIDVS
PAEMANMLQ GLLARWLALF LSLKASYRLH QLRSWAEPDG TSHQSYLRNK DFLLGVDFPL
SFPNLCSCPL LKSLVFSSHC KAVSGYSDHV VHQRSSATSS LRCCLLTLP SFLCVASPRV
TAVPLDSYCN DRSAEYERGV LKEGGLAAK QCLLNGAPEL ATDWLSRRSQ FFPEPAGLL
SIRPQNGWSF IRIPGKESLI TDSGKLYALD VLLTRLKSQG HRVLIYSQMT RMIDLLEEYM
VYRKHTYMRL DGSSKISERR DMVADFQTRN DIFVLLSTR AGGLGINLTA ADTVIFYDSD
WNPTVDQQAM DRAHRLGQTK QVTVYRLICK GTIEERILQR AKEKSEIORM VISGGNFKPD
TLKPKEVSL LLDDEELEKK LRLRQEEKRQ QEESNRVKER KRKREKYAEK KKKEDELD GK
RRKEGVNLVI PFVPSADNSN LSADGDDSVI SVDSAMPSPF SEISSSELH TGSIPPDESS
SDMLVIVDDP ASSAPQSRAT NSPASITGSV SDTVNGISIQ EVPAAGRHS ARSRGRPKGS
GSTAKGAGKG RSRKSTAGSA AAMAGAKAGA AAASAAAYAA YGYNVSKGIS ASSPLQTSIV
RPAGLADFGP SSASSPLSSP LNKGNIPGT PKSLHMTSSL ASDSLIRKQG KGTNPSSGGR

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

Grade: custom-made

Target Details

Target:	INO80
Alternative Name:	Ino80 (INO80 Products)
Background:	<p>Chromatin-remodeling ATPase INO80 (EC 3.6.4.-) (DNA helicase-related INO80 complex homolog 1) (DNA helicase-related protein INO80),FUNCTION: ATPase component of the chromatin remodeling INO80 complex which is involved in transcriptional regulation, DNA replication and DNA repair. Binds DNA. As part of the INO80 complex, remodels chromatin by shifting nucleosomes. Regulates transcription upon recruitment by YY1 to YY1-activated genes, where it acts as an essential coactivator. Involved in UV-damage excision DNA repair. The contribution to DNA double-strand break repair appears to be largely indirect through transcriptional regulation. Involved in DNA replication. Required for microtubule assembly during mitosis thereby regulating chromosome segregation cycle.</p> <p>{ECO:0000250 UniProtKB:Q9ULG1}.</p>
Molecular Weight:	176.5 kDa
UniProt:	Q6ZPV2
Pathways:	Positive Regulation of Response to DNA Damage Stimulus

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