

Datasheet for ABIN7554191
INO80 Protein (AA 1-1556) (His tag)



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Overview

Quantity:	1 mg
Target:	INO80
Protein Characteristics:	AA 1-1556
Origin:	Human
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:	<p>MASELGARDD GGCTELAKPL YLQYLERALR LDHFLRQ TSA IFNRNISSDD SEDGLDDSNP LLPQSGDPLI QVKEEPNSL LGETSGAGSS GMLNTYSLNG VLQSESKCDK GNLYNFSKLK KSRKWLKSIL LSDESSEADS QSEDDDEEEL NLSREELHNM LRLHKYKKLH QNKYSKDKEL QQYQYYSAGL LSTYDPFYEQ QRHLLGPKKK KFKEEKLLKA KLKKVKKKRR RDEELSSEES PRRHHHQTKV FAKFSHDAPP PGTKKKHLSI EQLNARRRKV WLSIVKKELP KANKQKASAR NLFLTNSRKL AHQCMKEVRR AALQAQKNCK ETLPRARRLT KEMLLYWKKY EKVEKEHRKR AEKEALEQRK LDEEMREAKR QQRKLNFLIT QTELYAHFMS RKRDMGHGDI QEEILRKLED SSTQRQIDIG GGVVVNITQE DYDSNHFKAQ ALKNAENAYH IHQARTSFD EDAKESRAAA LRAANKSGTG FGESYSLANP SIRAGEDIPQ PTIFNGKLG YQLKGMNWLA NLYEQGINGI LADEMGLGKT VQSIALLAHL AERENIWGPF LIISPASTLN NWHQEFTRFV PKFKVLPYWG NPHDRKVIRR FWSQKTLYTQ DAPFHVVITS YQLVVQDVKY FQRVKWQYMV LDEAQALKSS</p>

SSVRWKILLQ FQCRNRLLLT GTPIQNTMAE LWALLHFIMP TLFDSHEEFN EWFSKDIESH
AENKSAIDEN QLSRLHMILK PFMLRRIKKD VENELSDKIE ILMYCQLTSR QKLLYQALKN
KISIEDLLQS SMGSTQQAQN TTSSLMNLVM QFRKVCNHPE LFERQETWSP FHISLKPYHI
SKFIYRHGQI RVFNHSRDRW LRVLSPFAPD YIQRSLFHRK GINEESCFSF LRFIDISPAE
MANLMLQGLL ARWLALFSL KASYRLHQLR SWGAPEGESH QRYLRNKDFL LGVNFPLSFP
NLCSCPLLKS LVFSSHCKAV SGYSDQVVHQ RRSATSSLRR CLLTELP SFL CVASPRVTAV
PLDSYCNDRS AEYERRVLKE GGSLAAKQCL LNGAPELAAD WLNRRSQFFP EPAGGLWSIR
PQNGWSFIRI PGKESLITDS GKLYALDVLL TRLKSQGHRV LIYSQMTRMI DLLEEYMVYR
KHTYMRLDGS SKISERRDMV ADFQNRNDIF VFLLSTRAGG LGINLTAADT VIFYDSDWNP
TVDQQAMDRA HRLGQTKQVT VYRLICKGTI EERILQRAKE KSEIQRMVIS GGNFKPDTLK
PKEVSVLLLD DEELEKKLRL RQEEKRQEE TNRVKERKRK REKYAEKKKK EDELGKRRK
EGVNLVIPFV PSADNSNLSA DGDDSFISVD SAMPSPFSEI SISSELHTGS IPLDESSSDM
LVIVDDPASS APQSRATNSP ASITGSVSDT VNGISIQEMP AAGRHSARS RGRPKGSGST
AKGAGKGRSR KSTAGSAAAM AGAKAGAAAA SAAAYAAYGY NVSKGISASS PLQTSLVRPA
GLADFGPSSA SSPLSSPLSK GNNVPGNPKN LHMTSSLAPD SLVRKQKGKT NPSGGR **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 (hINO80) (EC 3.6.4.-) (DNA helicase-related INO80 complex homolog 1) (DNA helicase-related protein INO80) (INO80 complex subunit A),FUNCTION: ATPase component of the chromatin remodeling INO80 complex which is involved in transcriptional regulation, DNA replication and DNA repair (PubMed:16230350, PubMed:16298340, PubMed:17721549, PubMed:20855601, PubMed:20237820). Binds DNA (PubMed:16298340, PubMed:21303910). As part of the INO80 complex, remodels chromatin by shifting nucleosomes (PubMed:16230350, PubMed:21303910). Regulates transcription upon recruitment by YY1 to YY1-activated genes, where it acts as an essential coactivator (PubMed:17721549). Involved in UV-damage excision DNA repair (PubMed:20855601). The contribution to DNA double-strand break repair appears to be largely indirect through transcriptional regulation (PubMed:20687897). Involved in DNA replication (PubMed:20237820). Required for microtubule assembly during mitosis thereby regulating chromosome segregation cycle (PubMed:20237820). {ECO:0000269 PubMed:16230350, ECO:0000269 PubMed:16298340, ECO:0000269 PubMed:17721549, ECO:0000269 PubMed:20237820, ECO:0000269 PubMed:20687897, ECO:0000269 PubMed:20855601, ECO:0000269 PubMed:21303910}.</p>
Molecular Weight:	176.8 kDa
UniProt:	Q9ULG1
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.

Handling

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months