

Datasheet for ABIN7554192

Inversin Protein (INVS) (AA 1-1065) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Inversin (INVS)
Protein Characteristics:	AA 1-1065
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Inversin protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat INVS Protein expressed in mammalien cells.
Sequence:	MNKSE ₁ LLFA GSSLASQVHA AAVNGDKGAL QRLIVGNSAL KDKEDQFGRT PLMYCVLADR LDCADALLKA GADV ₁ NKTDHS QRTALHLAAQ KGN ₁ YRFMKLL LTRRANWMQK DLEEMTPLHL TTRHRSPKCL ALLLKFM ₁ APG EVDTQDKNKQ TALHWSAYYN NPEHV ₁ KLLIK HDSNIGIPDV EGKIPLHWAA NHKDPSAVHT VRCILDAAPT E ₁ LLNWQDYE GRTPLHFAVA DGNVTVVDVL TSYESCNITS YDNLFR ₁ TPLH WAALLGHAQI VHLLLER ₁ NKS GTIPSDSQGA TPLHYAAQSN FAETVKVFLK HPSVKDDSD ₁ L EGRTSFMWAA GKGSD ₁ DLRT MLSL ₁ KSDIDI NMADKYGGTA LHAAALSGHV STVKLLLE ₁ NN AQVDATDVMK HTPLFRACEM GHKDV ₁ IQT ₁ LI KGGARVDLVD QDGH ₁ SLLHWA ALGGNADVCQ ILIENKINPN VQDYAGRTPL QCAAYGGYIN CMAVLMENNA DPNIQDKEGR TALHWS ₁ CNNG YLDAIKLLLD FA ₁ FPNQMEN NEERYT ₁ PLDY ALLGERHEVI QFMLEHGALS IAAIQDIAAF KIQAVYKGYK VRKA ₁ FRDRKN LLMKHEQLRK DAAAKKREEE NKRKEAEQ ₁ QK GRRSPDSCR ₁ P QALPCLPSTQ DVPSRQSRAP SKQPPAGNVA QGPEPRDSRG

Product Details

SPGGSLGGAL QKEQHVSSDL QGTNSRRPNE TAREHSGKQS ACVHFRPNEG SDGSRHPGVP
SVEKSRGETA GDERCAKGGK FVKQPSCIRV AGPDEKGEDS RRAAASLPPH DSHWKPSRRH
DTEPKAKCAP QKRRTQELRG GRCSPAGSSR PGSARGEAVH AGQNPPHHRT PRNKVTQAKL
TGGLYSHLPQ STEELRSGAR RLETSTLSED FQVSKETDPA PGPLSGQSVN IDLLPVELRL
QIIQRERRRK ELFRKKNKAA AVIQRAWRSY QLRKHLHLR HMKQLGAGDV DRWRQESTAL
LLQVWRKELE LKFPQTTAVS KAPKSPSKGT SGTKSTKHSV LKQIYGCSHE GKIHHPTRSV
KASSVLRLLNS VSNLQCIHLL ENSGRSKNFS YNLQSATQPK NKTTP **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:

Inversin (INVS)

Alternative Name:

INVS ([INVS Products](#))

Background:

Inversin (Inversion of embryo turning homolog) (Nephrocystin-2),FUNCTION: Required for normal renal development and establishment of left-right axis. Probably acts as a molecular switch between different Wnt signaling pathways. Inhibits the canonical Wnt pathway by

Target Details

targeting cytoplasmic disheveled (DVL1) for degradation by the ubiquitin-proteasome. This suggests that it is required in renal development to oppose the repression of terminal differentiation of tubular epithelial cells by Wnt signaling. Involved in the organization of apical junctions in kidney cells together with NPHP1, NPHP4 and RPGRIP1L/NPHP8 (By similarity). Does not seem to be strictly required for ciliogenesis (By similarity). {ECO:0000250, ECO:0000269|PubMed:15852005, ECO:0000269|PubMed:18371931}.

Molecular Weight: 117.8 kDa

UniProt: [Q9Y283](#)

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