

Datasheet for ABIN3096335

WDR62 Protein (AA 2-1518) (His tag)[Go to Product page](#)**1** Image

Overview

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|-------------------------------|--|
| Quantity: | 1 mg |
| Target: | WDR62 |
| Protein Characteristics: | AA 2-1518 |
| Origin: | Human |
| Source: | Insect Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This WDR62 protein is labelled with His tag. |
| Application: | ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS) |

Product Details

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| Sequence: | AAVGSGGYAR NDAGEKLPSV MAGVPARRGQ SSPPPAPPIC LRRRTLSTA SEETVQNRVS LEKVLGITAQ NSSGLTCDPG TGHVAYLAGC VVILDPKEN KQQHIFNTAR KSLSALAFSP DGKYIVTGEN GHRPAVRIWD VEEKNQVAEM LGHKYGVACV AFSPNMKHIV SMGYQHDMVL NVWDWKKDIV VASNKVSCRV IALSFSEDSS YFVTVGNRHV RFWFLEVSTE TKVTSTVPLV GRSGILGELH NNIFCGVACG RGRMAGSTFC VSYSGLLCQF NEKRVLEKWI NLKVSLSACL CVSQELIFCG CTDGIVRIFQ AHS�HYLANL PKPHYLGV DV AQGLEPSFLF HRKAEAVYPD TVALTFDPIH QWLSCVYKDH SIYIWDVKDI NRVGKVWSEL FHSSYVWNVE VYPEFEDQRA CLPSGSFLTC SSDNTIRFWN LDSSPDSHWQ KNIFSNTLLK VVYVENDIQH LQDMSHFDPDR GSENGTPMDV KAGVRVMQVS PDGQHLASGD RSGNLRHEL HFMDLVKVE AHDAEVLCLC YSKPETGLTL LASASRDRLI HVLNVEKNYN LEQTLDDHSS SITAIKFAGN RDIQMISCGA DKSIYFRSAQ QGSDGLHFVR THHVAEKTTL YDMDIDITQK YVAVACQDRN VRVYNTVNGK QKKCYKGSQG DEGSLLKVHV DPSGTFLATS CSDKSISVID FYSGECIAKM FGHSEITSM |
|-----------|---|

KFTYDCHHLI TVSGDSCVFI WHLGPEITNC MKQHLLEIDH RQQQHTNDK KRSQHPRQDT
YVSTPSEIHS LSPGEQTEDD LEEECEPEEM LKTPSKDSLDPDPRCLLTNG KLPLWAKRLL
GDDDVADGLA FHAKRSYQPH GRWAERAGQE PLKTILDAQD LDCYFTPMKP ESENSILDS
LEPQSLASLL SESESPQEAG RGHPSFLPQQ KESSEASELI LYSLEAEVTV TGTDQSQYCRK
EVEAGPGDQQ GDSYLRVSSD SPKDQSPPED SGESEADLEC SFAAIHSPAP PPDAPRFAT
SLPHFPGCAG PTEDESLPE GPSVPSSSLP QTPEQEKFLR HHFETLTESP CRALGDVEAS
EAEDHFFNPR LSISTQFLSS LQKASRFTHT FPPRATQCLV KSPEVKLMDR GGSQPRAGTG
YASPDRTVL AAGKAEETLE AWRPPPPCLT SLASCVPASS VLPTDRNLPT PTSAPTPGLA
QGVHAPSTCS YMEATASSRA RISRSISLGD SEGPIVATLA QPLRRPSSVG ELASLGQELQ
AITTATTPSL DSEGQEPALR SWGNHEARAN LRLTLSSACD GLLQPPVDQT PGVTVPAVSF
PAPSPVEESA LRLHGSAFRP SLPAPESPGL PAHPSNPQLP EARGPIGGT ASLEPTSGA
LGLLQGSPAR WSEPWVPVEA LPPSPLELSR VGNILHRLQT TFQEALDLYR VLVSSGQVDT
GQQQARTELV STFLWIHSQL EAECLVGTSV APAQALPSPG PPSPTLYPL ASPDLQALLE
HYSELLVQAV RRKARGH

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.
- Human WDR62 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 specific reference buffer.

Product Details

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| | 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

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| Target: | WDR62 |
| Alternative Name: | WDR62 (WDR62 Products) |
| Background: | Required for cerebral cortical development. Plays a role in neuronal proliferation and migration (PubMed:20890278, PubMed:20729831). Plays a role in mother-centriole-dependent centriole duplication, the function seems also to involve CEP152, CDK5RAP2 and CEP63 through a stepwise assembled complex at the centrosome that recruits CDK2 required for centriole duplication (PubMed:26297806). {ECO:0000269 PubMed:20729831, ECO:0000269 PubMed:20890278, ECO:0000269 PubMed:26297806}. |
| Molecular Weight: | 166.8 kDa Including tag. |
| UniProt: | O43379 |

Application Details

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| 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: | In cases in which it is highly likely that the 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 |

Application Details

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

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| 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