

Datasheet for ABIN7561728

Midline 2 Protein (MID2) (AA 1-705) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Midline 2 (MID2)
Protein Characteristics:	AA 1-705
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Midline 2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Mid2 Protein expressed in mammalian cells.
Sequence:	<p>MGESPASAVL NASAGLFSK METLESELTG PICLELFEDP LLLPCAHSCL FSCAHRILVS</p> <p>SCSSGESIEP ITAFQCPTCR YVISLNHRGL DGLKRNVTQ NIIDRFQKAS VSGPNSPSES</p> <p>RRERTYRPSS AMSSERIACQ FCEQDPPRDA VKTCITCEVS YCDRCLRATH PNKKPFTSHR</p> <p>LVEPVSDTHL RGITCLDHEN EKVNMVYCVSD DQLICALCKL VGRHRDHQVA SLNDRFEKLL</p> <p>QTLEMNLTNL VKRNSELENQ MAKLIQICQQ VEVNTAMHEA KLMEECDELV EIIQQRKQMI</p> <p>AVKIKETKVM KLRKLAQQA NCRQCLERST VLINQAEHIL KENDQARFLQ SAKNIAERVA</p> <p>MATASSQVLI PDINFNDAFE NFALDFSREK KLEGLDYLT APNPPSIREE LCTASHDTIT</p> <p>VHWISDDEFS ISSYELQYTI FTGQANFISL YNSVDSWMIV PNIQNHVTV HGLQSGTRYI</p> <p>FIVKAINQAG SRNSEPTRLK TNSQPFKLDK KMTHKKLKIS NDGLQMEKDE SSLKKSHTPE</p> <p>RFSGTGCYGA AGNIFIDSGC HYWEVVMGSS TWYAIGIAYK SAPKNEWIGK NASSWVFSRC</p> <p>NSNFVVRHNN KEMLVDVPPQ LKRLGVLLDY DNNMLSFYDP ANSLHLHTFD VTFILPVCPT</p>

FTIWNKSLMI LSGLPAPDFI DYPERQECNC RPQESPYVSG MKACH **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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
---------	-----------------------------------------------------

Grade:	custom-made
--------	-------------

Target Details

Target:	Midline 2 (MID2)
Alternative Name:	Mid2 (MID2 Products)
Background:	<p>Probable E3 ubiquitin-protein ligase MID2 (EC 2.3.2.27) (Midline defect 2) (Midline-2) (RING-type E3 ubiquitin transferase MID2) (Tripartite motif-containing protein 1),FUNCTION: E3 ubiquitin ligase that plays a role in microtubule stabilization. Mediates the 'Lys-48'-linked polyubiquitination of LRRK2 to drive its localization to microtubules and its proteasomal degradation in neurons. This ubiquitination inhibits LRRK2 kinase activation by RAB29. {ECO:0000250 UniProtKB:Q9UJV3}.</p>
Molecular Weight:	79.8 kDa
UniProt:	Q9QUS6

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