

Datasheet for ABIN7559349

## EIF2B5 Protein (AA 1-717) (His tag)



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### Overview

Quantity:	1 mg
Target:	EIF2B5
Protein Characteristics:	AA 1-717
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EIF2B5 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat Eif2b5 Protein expressed in mammalian cells.
Sequence:	<p>MAATAAVPGA AAGRASKRGG GSGGGGTQG AEEEEPPPLQ AVLVADSFNR RFFPISKDQP</p> <p>RVLLPLANVA LIDYTLEFLT ATGVQETFVF CCWKAQIKE HLQKSKWCHP TSPNVVRIIT</p> <p>SELYRSLGDV LRDVDAKALV RSDFLLIYGD VISNINICRA LEEHRLRRKL EKNVSVMTMV</p> <p>FKESSPSHPT RCHEDNVVMA VDSATNRVLH FQKTQGLRRF SFPLSLFQGS GDGVEIRYDL</p> <p>LDCHISICSP QVAQLFTDNF DYQTRDDFVR GILMNEEVLG NQIHLHVTTT EYGARVSNLH</p> <p>MYSAVCADVI RRWVYPLTPE VNFTDSTTQS YTHSRHNIYR GPEVSLGHGS VLEENVLLGA</p> <p>GTVIGSNCSI TNSVIGPNCH IGDNVVLDQA YLWQGV RVAA GAQIHQSLLC DRAEVKERVK</p> <p>LKPYCVLTSQ VVVGPDITLP EGSVISLHPP DAEDEDDGQ FSDDSGADQE KEKVKLKGYN</p> <p>PAEVGLEGGQ YLWKAEGVNS KEDEELRQSL WGLMIKTEEE SETESEGSVD PEELDSRAGS</p> <p>PQLDDIRVFQ NEVLGTLQRG REENISCENL VLEINSLKHA YNISLKEVMQ VLTLLVLEFP</p> <p>LQQVDGLLDP NRYCALLLPL LKAWSPLVRN YIKRAADHLE ALAAIEDFFL EHETLVTSMA</p>

KVLMIFYQLE ILAEETILSW FSQRDTTDEG QQLRKNQQLQ RFIQWLREAE EESSEDD **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"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <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>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	EIF2B5
Alternative Name:	Eif2b5 ( <a href="#">EIF2B5 Products</a> )
Background:	<p>Translation initiation factor eIF2B subunit epsilon (eIF2B GDP-GTP exchange factor subunit epsilon),FUNCTION: Acts as a component of the translation initiation factor 2B (eIF2B) complex, which catalyzes the exchange of GDP for GTP on eukaryotic initiation factor 2 (eIF2) gamma subunit. Its guanine nucleotide exchange factor activity is repressed when bound to eIF2 complex phosphorylated on the alpha subunit, thereby limiting the amount of methionyl-initiator methionine tRNA available to the ribosome and consequently global translation is repressed. {ECO:0000250 UniProtKB:Q13144}.</p>
Molecular Weight:	80.1 kDa

## Target Details

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UniProt: [Q8CHW4](#)

## 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.

Restrictions: For Research Use only

## Handling

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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