

Datasheet for ABIN7555847

TSPAN12 Protein (AA 1-305) (His tag)



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Overview

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| Quantity: | 1 mg |
| Target: | TSPAN12 |
| Protein Characteristics: | AA 1-305 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This TSPAN12 protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS), Western Blotting (WB) |

Product Details

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| Purpose: | Custom-made recombinat TSPAN12 Protein expressed in mammalian cells. |
| Sequence: | <p>MAREDSVKCL RCLLYALNLL FWLMSISVLA VSAWMRDYLN NVLTTLTAETR VEEAVILTYF PVVHPVMIAS CCFLIIVGML GYCGTVKRNL LLLAWYFGSL LVIFCVELAC GVWTYEQELM VPVQWSDMVT LKARMTNYGL PRYRWLTHAW NFFQREFKCC GVVFYTDWLE MTEMWPPDS CCVREFPGCS KQAHQEDLSD LYQEGCGKKM YSFLRGTKQL QVLRFLGISI GVTQILAMIL TITLLWALYY DRREPGTDQM MSLKNDNSQH LSCPSVELLK PSLSRIFEHT SMANSFNTHF EMEEL</p> <p>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.</p> |

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| Characteristics: | <p>Key Benefits:</p> <ul style="list-style-type: none"> Made to order protein - from design to production - by highly experienced protein experts. |
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Product Details

- 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.

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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

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| Target: | TSPAN12 |
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| Alternative Name: | TSPAN12 (TSPAN12 Products) |
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| Background: | <p>Tetraspanin-12 (Tspan-12) (Tetraspan NET-2) (Transmembrane 4 superfamily member 12),FUNCTION: Regulator of cell surface receptor signal transduction. Plays a central role in retinal vascularization by regulating norrin (NDP) signal transduction. Acts in concert with norrin (NDP) to promote FZD4 multimerization and subsequent activation of FZD4, leading to promote accumulation of beta-catenin (CTNNB1) and stimulate LEF/TCF-mediated transcriptional programs. Surprisingly, it only activates the norrin (NDP)-dependent activation of FZD4, while it does not activate the Wnt-dependent activation of FZD4, suggesting the existence of a Wnt-independent signaling that also promote accumulation the beta-catenin (CTNNB1) (By similarity). Acts as a regulator of membrane proteinases such as ADAM10 and MMP14/MT1-MMP. Activates ADAM10-dependent cleavage activity of amyloid precursor protein (APP). Activates MMP14/MT1-MMP-dependent cleavage activity. {ECO:0000250, ECO:0000269 PubMed:19211836, ECO:0000269 PubMed:19587294}.</p> |
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| Molecular Weight: | 35.4 kDa |
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| UniProt: | O95859 |
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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

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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 |