

Datasheet for ABIN7552585

Bax Inhibitor 1 Protein (AA 1-237) (His tag)



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Overview

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| Quantity: | 1 mg |
| Target: | Bax Inhibitor 1 (TMBIM6) |
| Protein Characteristics: | AA 1-237 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This Bax Inhibitor 1 protein is labelled with His tag. |

Product Details

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| Purpose: | Custom-made recombinant TMBIM6 Protein expressed in mammalian cells. |
| Sequence: | <p>MNIFDRKINF DALLKFSHIT PSTQQHLKKV YASFALCMFV AAAGAYVHMV THFIQAGLLS</p> <p>ALGSLILMIW LMATPHSHET EQKRLGLLAG FAFLTGVGLG PALEFCIAVN PSILPTAFMG</p> <p>TAMIFTCFTL SALYARRRSY LFLGGILMSA LSLLLLSSLG NVFFGSIWLF QANLYVGLVW</p> <p>MCGFVLFDQ LIIEKAEHGD QDYIWHCIDL FLDFITVFRK LMMILAMNEK DKKKEKK 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> |
| Specificity: | If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer. |
| Characteristics: | <p>Key Benefits:</p> <ul style="list-style-type: none"> Made to order protein - from design to production - by highly experienced protein experts. |

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC) |
| Grade: | custom-made |

Target Details

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| Target: | Bax Inhibitor 1 (TMBIM6) |
| Alternative Name: | TMBIM6 (TMBIM6 Products) |
| Background: | <p>Bax inhibitor 1 (BI-1) (Testis-enhanced gene transcript protein) (Transmembrane BAX inhibitor motif-containing protein 6),FUNCTION: Suppressor of apoptosis (PubMed:21075086).</p> <p>Modulates unfolded protein response signaling (PubMed:21075086). Modulates ER calcium homeostasis by acting as a calcium-leak channel (PubMed:22128171). Negatively regulates autophagy and autophagosome formation, especially during periods of nutrient deprivation, and reduces cell survival during starvation (By similarity). {ECO:0000250 UniProtKB:Q9D2C7, ECO:0000269 PubMed:21075086, ECO:0000269 PubMed:22128171}.</p> |
| Molecular Weight: | 26.5 kDa |
| UniProt: | P55061 |
| Pathways: | Response to Water Deprivation, ER-Nucleus Signaling |

Application Details

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| Application Notes: | We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though. |
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Application Details

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 |