

Datasheet for ABIN7564347

THEMIS Protein (AA 1-636) (His tag)[Go to Product page](#)

Overview

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|-------------------------------|-----------------------------------------------|
| Quantity: | 1 mg |
| Target: | THEMIS |
| Protein Characteristics: | AA 1-636 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This THEMIS protein is labelled with His tag. |

Product Details

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| Purpose: | Custom-made recombinant Themis Protein expressed in mammalian cells. |
| Sequence: | MALSLEEFVY SLDLRTLPRV LEIQSGIYFE GSVYEMFGNE CCLSTGEVIK ITGLKIKKMM AEICEGAIGG CESQKPFELP MNFPGFLFKVM ADKTPYLSIE EITRTVNIGP SRLGHPCFYH LKDIKLENLI IKQGEPIRFN SVEEINGETL VNCGVVRNHQ SHSFTLPLSQ EGEFYECEDE HIYTLKEIVE WKIPKNRTRT VKLTDFSNKW DSTNPFPEDF YGTLILKPVY EIQGVLFQK DIVRILPSLD VEVKDITDSY DANWFLQLLS TDDL FEMTSK EFPVVAEVVE ISQGNHLPQS ILQREKTIVI HKKYQASRIL ASEIRSNFPK RHFLIPISYK GKFKRRPREF PTAYDLQIAK SRKETLHVVA TKAFHTLHKE LSPVSVGDQF LVHHSETTEV VFEGTRKVN V LTCEKVLNKT REDAQLPLYM EGGFVEVIHD KKQYQISELC TQFCWPFNVK VAVRDLSIKD DILAATPGLQ LEEDITDSYL LISDFANPEE CWEIPMSRLN MTVRLVNGSS LPADAGLLQV RSFVEEITEE QYYMMRRYES SLSHPPPRPP KHPSAEEMKL TLLSLAEERT INLPKSLKSH HVDRPKKLPS DESGQDSRAP VGFQNDVADV ERQKSKHGPL QPQAPL Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity |

Product Details

of the protein could make another tag necessary. In case you have a special request, please contact us.

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: Key Benefits:

- 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).

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.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: THEMIS

Alternative Name: Themis ([THEMIS Products](#))

Background: Protein THEMIS (Grb2-associating protein) (Gasp) (Protein thylex) (Thymocyte-expressed molecule involved in selection),FUNCTION: Plays a central role in late thymocyte development by controlling both positive and negative T-cell selection. Required to sustain and/or integrate signals required for proper lineage commitment and maturation of T-cells. Regulates T-cell development through T-cell antigen receptor (TCR) signaling and in particular through the regulation of calcium influx and phosphorylation of Erk. {ECO:0000269|PubMed:19597497, ECO:0000269|PubMed:19597498, ECO:0000269|PubMed:19597499, ECO:0000269|PubMed:19620281, ECO:0000269|PubMed:19805304}.

Target Details

Molecular Weight: 72.8 kDa

UniProt: [Q8BGW0](#)

Application Details

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.

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