

Datasheet for ABIN7544346
THEMIS Protein (AA 1-641) (His tag)



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Overview

Quantity:	1 mg
Target:	THEMIS
Protein Characteristics:	AA 1-641
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This THEMIS protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant THEMIS Protein expressed in mammalian cells.
Sequence:	MALSLEEFVH SLDLRTLPRV LEIQAGIYLE GSIYEMFGNE CCFSTGEVIK ITGLKVKKII AEICEQIEGC ESLQPFELPM NFPGLFKIVA DKTPYLTMEE ITRTIHIGPS RLGHPCFYHQ KDIKLENLII KQGEQIMLNS VEEIDGEIMV SCAVARNHQT HSFNLPLSQE GEFYECEDER IYTLKEIVEW KIPKNRTRTV NLTDFSNKWD STNPPFKDFY GTLILKPVYE IQGVMKFRKD IIRILPSLDV EVKDITDSYD ANWFLQLLST EDLFEMTSKE FPIVTEVIEA PEGNHLPQSI LQPGKTIVIH KKYQASRILA SEIRSNFPKR HFLIPTS YKG KFKRRPREFP TAYDLEIAKS EKEPLHVVAT KAFHSPHDKL SSVSVGQDQFL VHQSETTEVL CEGIKKVVNV LACEKILKKS YEAALLPLYM EGGFVEVIHD KKQYPISELK KQFRLPFNVK VSVRDL SIEE DVLAATPGLQ LEEDITDSYL LISDFANPTE CWEIPVGR LN MTVQLVSNFS RDAEPFLVRT LV E EITEEQY YMMRRYESSA SHPPRPPKH PSVEETKLTL LTLAERTVD LPKSPKRHHV DITKKLHPNQ AGLDSKVLIG SQNDLVDEEK ERSNRGATAI AETFKNEKHQ K 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 (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:0000250|UniProtKB:Q8BGW0}.

Molecular Weight: 73.5 kDa

UniProt: [Q8N1K5](#)

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
