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Datasheet for ABIN7547535

ESX Homeobox 1 Protein (ESX1) (AA 1-406) (His tag)

Overview

Quantity:	1 mg
Target:	ESX Homeobox 1 (ESX1)
Protein Characteristics:	AA 1-406
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ESX Homeobox 1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ESX1 Protein expressed in mammalian cells.
Sequence:	MESLRGYTHS DIGYRSLAVG EDIEEVNDEK LTVTSLMARG GEDEENTRSK PEYGTEAENN VGTEGSVPSD DQDREGGGGH EPEQQQEPP LTKPEQQQE PPLLELKQEQ EEPPTTVEG PQPAEGPQTA EGPQPPERKR RRRTAFTQFQ LQELENFFDE SQYPDVVARE RLAARLNLTE DRVQVWFQNR RAKWKRNRV LMLRNTATAD LAHPLDMFLG GAYYAAPALD PALCVHLVPQ LPRPPVLPVP PMPRPMPMP MPPRPPIAPM PPMAPVPPGS RMAPVPPGPR MAPVPPWPPM APVPPWPPMA PVPTGPPMAP VPPGPPMARV PPGPPMARVP PGPPMAPLPP GPPMAPLPPG PPMAPLPPGP PMAPLPPRSH VPHTGLAPVH ITWAPVINSY YACPFF 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.
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.

Product Details

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:

ESX Homeobox 1 (ESX1)

Alternative Name:

ESX1 ([ESX1 Products](#))

Background:

Homeobox protein ESX1 (Extraembryonic, spermatogenesis, homeobox 1) [Cleaved into: Homeobox protein ESX1-N, Homeobox protein ESX1-C],FUNCTION: May coordinately regulate cell cycle progression and transcription during spermatogenesis. Inhibits degradation of polyubiquitinated cyclin A and cyclin B1 and thereby arrests the cell cycle at early M phase. ESXR1-N acts as a transcriptional repressor. Binds to the sequence 5'-TAATGTTATTA-3' which is present within the first intron of the KRAS gene and inhibits its expression. ESXR1-C has the ability to inhibit cyclin turnover. {ECO:0000269|PubMed:15235584, ECO:0000269|PubMed:15897875}.

Molecular Weight:

44.3 kDa

UniProt:

[Q8N693](#)

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
