

Datasheet for ABIN7556060
YEATS2 Protein (AA 1-1422) (His tag)



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Overview

Quantity:	1 mg
Target:	YEATS2
Protein Characteristics:	AA 1-1422
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This YEATS2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant YEATS2 Protein expressed in mammalian cells.
Sequence:	<p>MSGIKRTIKE TDPDYEDVSV ALPNKRHKAI ENSARDAAVQ KIETIIKEQF ALEMKNKEHE IEVIDQLIE ARRMMDKLRA CIVANYYASA GLLKVSEGSK TCDTMVFNHP AIKKFLESPTS RSSSPANQRA ETPSANHSES DSLSQHNDFL SDKDNNSNMD IEERLSNNME QRPSRNTGRD TSRITGSHKT EQRNADLTDE TSRLFVKKTI VVGNVSKYIP PDKREENDQS THKWMVYVRG SRREPSINHF VKKVWFFLHP SYKPNDLVEV REPPFHLTRR GWGEFPVRVQ VHFKDSQNKR IDIIHNLKLD RYTYGLQTLG AETVVDVELH RHSLGEDCIY PQSSESDISD APPSLPLTIP APVKASSPIK QSHEPVPDTS VEKGF PASTE AERHTPFYAL PSSLERTPTK MTTSQKVTFC SHGNSAFQPI ASSCKIVPQS QVPNPESPGK SFQPITMSCK IVSGSPISTP SPSPLPRTPT STPVHVKQGT AGSVINNPYV IMDKQPGQVI GATTPSTGSP TNKISTASQV SQGTGSPVPK IHGSSFVTST VKQEDSLFAS MPPLCPIGSH PKVQSPKPIT GGLGAFTKVI IKQEPGEAPH VPATGAASQS PLPQYVTVKG GHMIAVSPQK QVITPGEAIA QSAKVQPSKV VGVPVGSALP STVKQAVAIS GGQILVAKAS SSVSKAVGPK QVVTQGVAKA IVSGGGGTIV AQPVQTLTKA</p>

QVTAAGPQKS GSQGSVMATL QLPATNLANL ANLPPGTKLY LTTNSKNPSG KGKLLLIPOG
AILRATNNAN LQSGSAASGG SGAGGGGGGG GGGGSGSGGG GSTGGGGGTA GGGTQSTAGP
GGISQHLTYT SYILKQTPQG TFLVGQPSQ TSGKQLTTGS VVQGLGVST SSAQGQTLK
VISGQKTLF TQAAHGGQAS LMKISDSTLK TVPATSQLSK PGTMLRVAG GVITTATSPA
VALSANGPAQ QSEGMAPVSS STVSSVTKTS GQQQVCVSA TVGTCKAATP TVVSATSLVP
TPNPISGKAT VSGLLKIHSS QSSPQAVLT IPSQLKPLSV NTSGGVQTL MPVNKVVQSF
STSKPPAILP VAAPTVPVPS SAPAAVAVK TEPETPGPSC LSQEQTAVK TEESSELGNY
VIKIDHLETI QLLTAVVKK IPLITAKSED ASCFSAKSVE QYYGWNIGKR RAAEWQRAMT
MRKVLQEILE KNPRFHHLTP LKTKHIAHWC RCHGYTPDP ESLRNDGDSI EDVLTQIDSE
PECPSSFSSA DNLCRKLEDL QQFQKREPEN EEEVDILSLS EPVKINIKKE QEEKQEEVKF
YLPPTPGSEF IGDVTQKIGI TLQPVALHRN VYASVVEDMI LKATEQLVND ILRQALAVGY
QTASHNRIPK EITVSNHQA ICNIPFLDFL TNKHMILNE DQ **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.

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:	YEATS2
Alternative Name:	YEATS2 (YEATS2 Products)
Background:	YEATS domain-containing protein 2,FUNCTION: Chromatin reader component of the ATAC complex, a complex with histone acetyltransferase activity on histones H3 and H4 (PubMed:18838386, PubMed:19103755, PubMed:27103431). YEATS2 specifically recognizes and binds histone H3 crotonylated at 'Lys-27' (H3K27cr) (PubMed:27103431). Crotonylation marks active promoters and enhancers and confers resistance to transcriptional repressors (PubMed:27103431). {ECO:0000269 PubMed:18838386, ECO:0000269 PubMed:19103755, ECO:0000269 PubMed:27103431}.
Molecular Weight:	150.8 kDa
UniProt:	Q9ULM3

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