

YEATS2 recombinant protein

Recombinant YEATS2 (200-340) protein

CATALOG #
AAA60132

HOST
E Coli

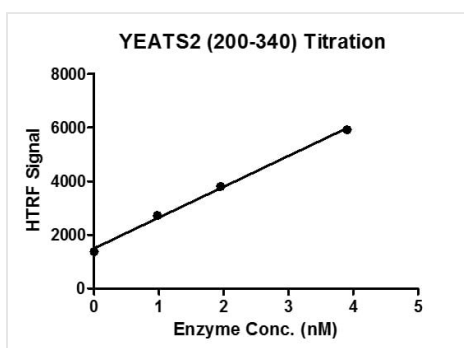
PRODUCT SYNONYMS

YEATS2; Recombinant YEATS2 (200-340) protein; YEATS Domain Containing 2; YEATS2 recombinant protein

PRODUCT SPECIFICATIONS

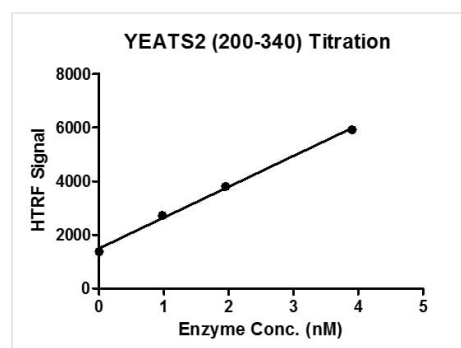
Host	E Coli
Form/Format	Recombinant YEATS2 (200-340) protein is supplied in 25mM Tris-HCl pH8.0, 300mM NaCl, 10% glycerol and 0.5mM TCEP.
Protein Species	Human
Tag	DYKDDDDK-Tag, His-Tag
Notes	Recombinant YEATS2 (200-340) protein is suitable for use in enzyme kinetics, inhibitor screening, and selectivity profiling. Binding Assay Conditions: 3uM H3K27cr (crotonylated Lysine 27) peptide was incubated with different concentrations of YEATS2 (200-340) protein in a 10ul reaction system containing 50mM HEPES-NaOH pH7.5, 0.1% BSA for 1 hour, then 10ul DYKDDDDK antibody and SA-XL665 mixture (each 1:100 dilution in Binding Buffer) was added to each reaction system and incubated for 30 min. All the operations and reactions were performed at room temperature. HTRF assay was used for detection.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. Shipping Temp: Dry Ice

IMAGES



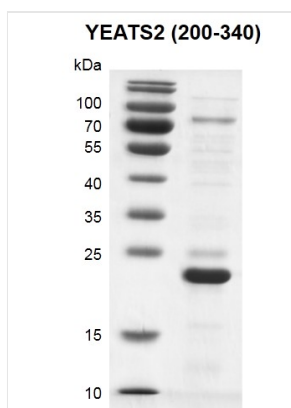
Application Data

Recombinant YEATS2 (200-340) protein activity assay H3K27cr (crotonylated Lysine 27) peptide was incubated with different concentrations of YEATS2 (200-340) protein in reaction buffer for 1 hour, then DYKDDDDK antibody and SA-XL665 mixture was added to each reaction system for 30 min. All the operations and reactions were performed at room temperature. HTRF assay was used for detection.



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SDS-PAGE

Recombinant YEATS2 (200-340) protein gel 12.5% SDS-PAGE Coomassie staining MW: 21.5 kDa Purity: >80%

ADDITIONAL INFORMATION

Related Product Information for YEATS2 recombinant protein

Short Description: Recombinant human YEATS2 (200-340) includes amino acids 200-340 (accession number NP_001338299.1); it was expressed in E Coli with an N-terminal 6xHis-tag and a C-terminal DYKDDDDK tag. The molecular weight of the protein is 21.5 kDa. It is suitable for use in the study of enzyme kinetics, inhibitor screening, and selectivity profiling.

Background: YEATS2 (YEATS Domain Containing 2), is a component of the ATAC complex, a complex with histone acetyltransferase activity on histones H3 and H4. YEATS2 specifically recognizes and binds histone H3 crotonylated at 'Lys-27' (H3K27cr). Crotonylation marks active promoters and enhancers and confers resistance to transcriptional repressors.

Product Categories/Family for YEATS2 recombinant protein

Recombinant Proteins; Histone Acetyltransferase (HAT)

NCBI AND UNIPROT INFORMATION

Molecular Weight

Molecular weight of the protein is 21.5kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/yeats2-recombinant-protein-e-coli/60132>