

YEATS4 recombinant protein

Recombinant YEATS4 (GAS41) protein

CATALOG #
AAA60172

HOST
E Coli

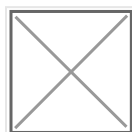
PRODUCT SYNONYMS

YEATS4; Recombinant YEATS4 (GAS41) protein; Glioma-Amplified Sequence 41; NuBI1; YEATS4 recombinant protein

PRODUCT SPECIFICATIONS

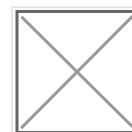
Host	E Coli
Form/Format	Recombinant YEATS4/GAS41 protein is supplied in 25mM Tris-HCl pH7.4, 500mM NaCl, 10% glycerol, 1mM Na-EDTA and 0.5mM TCEP.
Protein Species	Human
Tag	DYKDDDDK-Tag, His-Tag
Notes	Recombinant YEATS4/GAS41 protein is suitable for use in binding assay, inhibitor screening, and selectivity profiling.
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



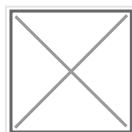
Application Data

Recombinant YEATS4 / GAS41 protein activity assay 3 uM H3K27cr (crotonylated Lysine 27) peptide was incubated with different concentrations of YEATS4 / GAS41 protein in a 10 ul reaction system containing 50 mM HEPES-NaOH pH 7.4, 0.1% BSA for 1 hour, then 10 ul 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.



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SDS-PAGE

Recombinant YEATS4 / GAS41 protein 12.5% SDS-PAGE Coomassie staining MW: 31 kDa
Purity: > 81%

ADDITIONAL INFORMATION

Related Product Information for YEATS4 recombinant protein	Short Description: Recombinant YEATS4/GAS41 protein as the full-length protein (accession number NP_006521.1); 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 31 kDa. It is suitable for use in binding assays, inhibitor screening, and selectivity profiling. Background: YEATS4 also known as GAS41, is a component of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. It is found in the nucleoli and has high sequence homology to human MLLT1, and yeast and human MLLT3 proteins. Both MLLT1 and MLLT3 proteins belong to a class of transcription factors, indicating YEATS4 protein might also represent a transcription factor.
Product Categories/Family for YEATS4 recombinant protein	Recombinant Proteins; Histone Acetyltransferase (HAT); Transcription

NCBI AND UNIPROT INFORMATION

NCBI GI #	5729838
NCBI GeneID	8089
NCBI Accession #	NP_006521.1
NCBI GenBank Nucleotide #	NM_006530.2
UniProt Accession #	O95619; Q9NQD0
Molecular Weight	26,499 Da
NCBI Official Full Name	YEATS domain-containing protein 4
NCBI Official Synonym Full Names	YEATS domain containing 4
NCBI Official Symbol	YEATS4
NCBI Official Synonym Symbols	YAF9; GAS41; NUBI-1; 4930573H17Rik; B230215M10Rik
NCBI Protein Information	YEATS domain-containing protein 4; nuBI1; NuMA binding protein 1; nuMA-binding protein 1; glioma-amplified sequence 41; glioma-amplified sequence-41
UniProt Protein Name	YEATS domain-containing protein 4
UniProt Gene Name	YEATS4
UniProt Synonym Gene Names	GAS41; Gas41; NuBI-1; NuBI1
UniProt Entry Name	YETS4_HUMAN

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.