Recombinant Mouse Yeats4 Protein, Myc/DDK-tagged

Cat. No. Yeats4-7031M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse YEATS domain containing 4 (Yeats4), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Chromatin reader component of the NuA4 histone acetyltransferase (HAT) complex, a complex involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. Specifically recognizes and binds acylated histone H3, with a preference for histone H3 diacetylated at 'Lys-18' and 'Lys-27' (H3K18ac and H3K27ac) or histone H3 diacetylated at 'Lys-14' and 'Lys-27' (H3K14ac and H3K27ac). Also able to recognize and bind crotonylated histone H3. May also recognize and bind histone H3 succinylated at 'Lys-122' (H3K122succ); additional evidences are however required to confirm this result in vivo. Plays a key role in histone variant H2AZ1/H2A.Z deposition into specific chromatin regions: recognizes and binds H3K14ac and H3K27ac on the promoters of actively transcribed genes and recruits NuA4-related complex to deposit H2AZ1/H2A.Z. H2AZ1/H2A.Z deposition is required for maintenance of embryonic stem cell.
Molecular Mass	26.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and

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	handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Yeats4 YEATS domain containing 4 [Mus musculus (house mouse)]
Official Symbol	Yeats4
Synonyms	YEATS4; YEATS domain containing 4; YEATS domain-containing protein 4; glioma-amplified sequence-41; GAS41; NuBI-1; 4930573H17Rik; B230215M10Rik
Gene ID	64050
mRNA Refseq	NM_026570
Protein Refseq	NP_080846
UniProt ID	Q9CR11

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