

Recombinant Human TRMT12 Protein, His-tagged

Cat. No. TRMT12-2806H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TRMT12 protein, fused to His-tagged at N-terminus, was expressed in E. coli.
Species	Human
Source	E.coli
Description	Wybutosine (yW) is a hypermodified guanosine at the 3-prime position adjacent to the anticodon of phenylalanine tRNA that stabilizes codon-anticodon interactions during decoding on the ribosome. TRMT12 is the human homolog of a yeast gene essential for yW synthesis (Noma and Suzuki, 2006).
Form	25 mM Tris, pH 8.0, 150 mM NaCl, 10% glycerol, 1% Sarkosyl. Store at -80 Centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
Molecular Mass	50.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	TRMT12 tRNA methyltransferase 12 homolog (S. cerevisiae) [Homo sapiens]
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Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

Official Symbol	TRMT12
Synonyms	TRM12; TYW2
Gene ID	55039
mRNA Refseq	NM_017956
Protein Refseq	NP_060426
MIM	611244
UniProt ID	Q53H54

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