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TYW5, 1-315aa, Human, His tag, E.coli

产品货号: TP04367

第三版

别名:tRNA wybutosine-synthesizing protein 5, C2orf60, Htyw5

描述:tRNA wybutosine-synthesizing protein 5, also known as TYW5, acts as a component of the wybutosine biosynthesis pathway. Wybutosine is a hyper modified guanosine with a tricyclic base found at the 3'-position adjacent to the anticodon of eukaryotic phenylalanine tRNA. TYW5 catalyzes the hydroxylation of 7-(α -amino- α -carboxypropyl)wyosine (yW-72) into undermodified hydroxywybutosine (OHyW). OHyW is a derivative of wybutosine found in higher eukaryotes. Recombinant human TYW5 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

分子量:38.9kDa (338aa), confirmed by MALDI-TOF

序列:

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MGSSHHHHHSSGLVPRGSHMGSMAGQHLPVPRLEGVSREQFMQHLYPQRKPLVLEGIDLGPCTSKWTVDYLSQVGG  
KKEVKIHVAAVAQMDFISKNFVYRTLFPDQLVQRAAEEKHKEFFVSEDEKYYLRSLGEDPRKDVADIRKQFLLKGDIKFP  
EFFKEEQFFSSVFRISPLQLWTHYDVMNLLIQVTGKKRVVLFSPRDAQYLYLKGTKSEVLNIDNPD LAKYPLFSKARRYE  
CSLEAGDVLFI PALWFHNVISEEFGVGVNIFWKHLPSECYDKTDTYGNKDPTAASRAAQILDRALKTLAELPEEYRDFYAR  
RMVLHIQDKAYSKNSE
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纯度:> 95% by HPLC

浓度:1 mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.