

## Product datasheet

# Recombinant Human Urm1 protein ab105598

### 1 图像

#### 描述

产品名称	重组人Urm1蛋白
纯度	> 95 % SDS-PAGE. ab105598 was purified by using anion-exchange chromatography (DEAE sepharose resin) and gel-filtration chromatography (Sephacryl S-200) with 20mM Tris pH 7.5, 2mM EDTA.
表达系统	Escherichia coli
Accession	<b><u>Q9BTM9</u></b>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	<b>MGSSHHHHHSSGLVPRGSHMAAPLSVEVEFGGGAELLFD GIKKHRVTLP GQEEPWDIRNLLIWIKNLLKERPELFIQGDSVRPGILVLIN DADWELLG ELDYQLQDQDSVLFISTLHGG</b>
预测分子量	14 kDa including tags
氨基酸	1 to 101
标签	His tag N-Terminus

#### 技术指标

Our **Abpromise guarantee** covers the use of **ab105598** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE Mass Spectrometry
质谱法	MALDI-TOF
形式	Liquid

#### 制备和贮存

稳定性和存储	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
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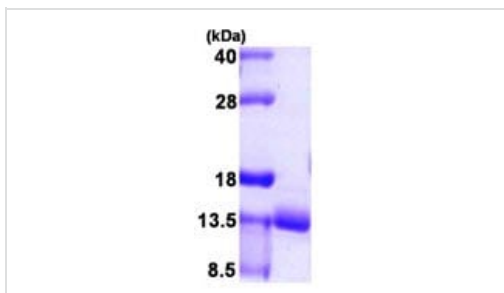
pH: 8.00

Constituents: 0.0154% DTT, 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine)

## 常规信息

<b>功能</b>	Acts as a sulfur carrier required for 2-thiolation of mcm(5)S(2)U at tRNA wobble positions of tRNA(Lys), tRNA(Glu) and tRNA(Gln). Serves as sulfur donor in tRNA 2-thiolation reaction by thiocarboxylated (-COSH) at its C-terminus by MOCS3. The sulfur is then transferred to tRNA to form 2-thiolation of mcm(5)S(2)U. May also act as an ubiquitin-like protein that is covalently conjugated to other proteins; the relevance of such function is however unclear in vivo.
<b>通路</b>	tRNA modification; 5-methoxycarbonylmethyl-2-thiouridine-tRNA biosynthesis.
<b>序列相似性</b>	Belongs to the URM1 family.
<b>翻译后修饰</b>	C-terminal thiocarboxylation occurs in 2 steps, it is first acyl-adenylated (-COAMP) via the hesA/moeB/thiF part of MOCS3, then thiocarboxylated (-COSH) via the rhodanese domain of MOCS3.
<b>细胞定位</b>	Cytoplasm.

## 图片



15% SDS-PAGE analysis of 3µg ab105598.

SDS-PAGE - Recombinant Human Urm1 protein  
(ab105598)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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