

Recombinant Human HPRT protein ab97411

2 图像

描述	
产品名称	重组人HPRT蛋白
纯度	> 95 % SDS-PAGE. ab97411 is purified using conventional chromatography techniques.
表达系统	Escherichia coli
Accession	<u>P00492</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	<i>MGSSHHHHHH SSGLVPRGSH</i> MATRSPGVVI SDDEPGYDLD LFCIPNHYAE DLERVFIPHG LIMDRTERLA RDVMKEMGGH HIVALCVLKG GYKFFADLLD YIKALNRNSD RSIPMTVDFI RLKSYCNDQS TGDIKVIGGD DLSTLTGKNV LIVEDIIDTG KTMQTLLSLV RQYNPKMVKV ASLLVKRTPR SVGYKPDFVG FEIPDKFVVG YALDYNEYFR DLNHVCVISE TGKAKYKA
预测分子量	27 kDa
氨基酸	1 to 218
标签	His tag N-Terminus

技术指标	
Our Abpromise guarantee covers the use of ab97411 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 Western blot
质谱法	MALDI-TOF-TOF
形式	Liquid

制备和贮存

稳定性和存储

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

pH: 8.00

Constituents: 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine)

常规信息

功能

Converts guanine to guanosine monophosphate, and hypoxanthine to inosine monophosphate. Transfers the 5-phosphoribosyl group from 5-phosphoribosylpyrophosphate onto the purine. Plays a central role in the generation of purine nucleotides through the purine salvage pathway.

通路

Purine metabolism; IMP biosynthesis via salvage pathway; IMP from hypoxanthine: step 1/1.

疾病相关

Defects in HPRT1 are the cause of Lesch-Nyhan syndrome (LNS) [MIM:300322]. LNS is characterized by complete lack of enzymatic activity that results in hyperuricemia, choreoathetosis, mental retardation, and compulsive self-mutilation.

Defects in HPRT1 are the cause of gout HPRT-related (GOUT-HPRT) [MIM:300323]; also known as HPRT-related gout or Kelley-Seegmiller syndrome. Gout is characterized by partial enzyme activity and hyperuricemia.

序列相似性

Belongs to the purine/pyrimidine phosphoribosyltransferase family.

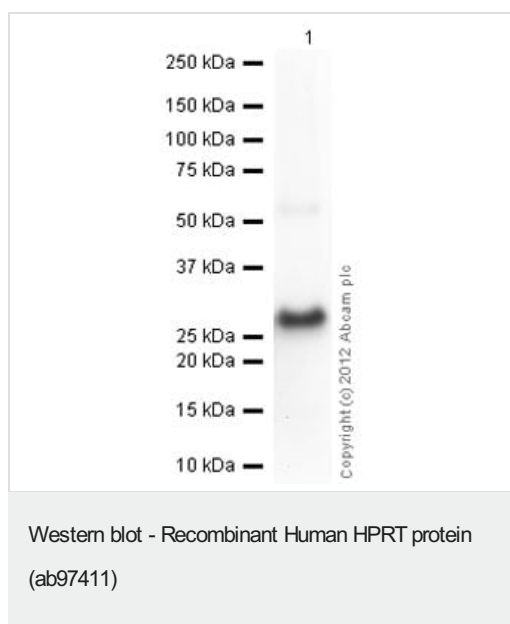
细胞定位

Cytoplasm.

图片



15% SDS-PAGE showing ab97411 at approximately 26.7kDa (3μg).



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