Datasheet for ABIN667016

HPRT1 Protein (AA 1-218) (His tag)

1 Image

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Overview

Quantity:	100 µg
Target:	HPRT1
Protein Characteristics:	AA 1-218
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HPRT1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	HPRT1, 1-218aa, Human, His tag, E.coli
Purity:	> 95 % by SDS-PAGE

Target Details

Target:	HPRT1
Alternative Name:	HPRT1 (HPRT1 Products)
Background:	Hypoxanthine-guanine phosphoribosyltransferase, also known as HPRT1 has a central role in the generation of purine nucleotides through the purine salvage pathway. The enzyme primarily functions to salvage purines from degraded DNA to renewed purine synthesis. In this role, it acts as a catalyst in the reaction between guanine and phosphoribosyl pyrophosphate to form GMP. Recombinant human HPRT1, fused to His-tag at N-terminus, was expressed in E.coli and

Target Details

	purified by using conventional chromatography techniques. Synonyms: HGPRT, HGPRTase, HPRT, Hypoxanthine-guanine phosphoribosyltransferase HPRT 1, HPRT1, Hypoxanthine guanine phosphoribosyltransferase, Hypoxanthine phosphoribosyltransferase 1 (Lesch Nyhan syndrome), Hypoxanthine phosphoribosyltransferase 1. NCBI no.: NP_000185
Molecular Weight:	26.7 kDa (238aa), confirmed by MALDI-TOF
Pathways:	Ribonucleoside Biosynthetic Process

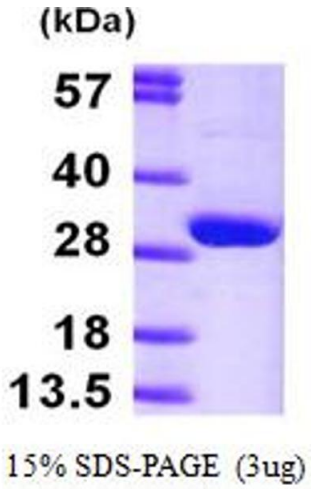
Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5mg/ml (determined by Bradford assay)
Buffer:	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing, 20% glycerol
Storage:	4 °C

Images



SDS-PAGE

Image 1.