

Datasheet for ABIN666887

Dihydrofolate Reductase Protein (DHFR) (AA 1-187) (His tag)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	Dihydrofolate Reductase (DHFR)
Protein Characteristics:	AA 1-187
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Dihydrofolate Reductase protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	DHFR, 1-187 aa, Human, His-tagged, Recombinant, E.coli
Purity:	> 95 % by SDS - PAGE

Target Details

Target:	Dihydrofolate Reductase (DHFR)
Alternative Name:	DHFR (DHFR Products)
Background:	DHFR, also known as Dihydrofolate reductase, is an enzyme that reduces dihydrofolic acid to tetrahydrofolic acid, using NADPH as electron donor, which can be converted to the kinds of tetrahydrofolate cofactors used in 1-carbon transfer chemistry. Dihydrofolate reductase deficiency has been linked to megaloblastic anemia. Recombinant Dihydrofolate reductase protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using

Target Details

conventional chromatography techniques. Synonyms: Dihydrofolate reductase, EC 1.5.1.3.

NCBI no.: NP_000782.1

Molecular Weight: 23.6 kDa (207aa), confirmed by MALDI-TOF.

Pathways: [Mitotic G1-G1/S Phases](#)

Application Details

Restrictions: For Research Use only

Handling

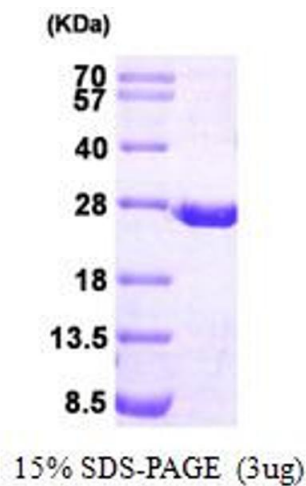
Format: Liquid

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

Buffer: Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.1M NaCl 2mM DTT, and 30% glycerol

Storage: 4 °C

Images



SDS-PAGE

Image 1.