

Datasheet for ABIN5709401

Dihydrofolate Reductase Protein (DHFR) (AA 2-187) (His-SUMO Tag)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	Dihydrofolate Reductase (DHFR)
Protein Characteristics:	AA 2-187
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Dihydrofolate Reductase protein is labelled with His-SUMO Tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	VGSLNCIVAV SQNMGIGKNG DLPWPPLRNE FRYFQRMTT T SSVEGKQNLV IMGKKTWFSI PEKNRPLKGR INLVLSRELK EPPQGAHFLS RSLDDALKLT EQPELANKVD MWWIVGGSSV YKEAMNHPGH LKLFVTRIMQ DFESDTFFPE IDLEKYKLLP EYPGVLSDVQ EEKGIKYKFE VYEKND
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	Dihydrofolate Reductase (DHFR)
Alternative Name:	DYR (DHFR Products)
Background:	Key enzyme in folate metabolism. Contributes to the de novo mitochondrial thymidylate biosynthesis pathway. Catalyzes an essential reaction for de novo glycine and purine synthesis,

Target Details

and for DNA precursor synthesis. Binds its own mRNA and that of DHFRL1.

Molecular Weight: 37.3 kDa

UniProt: [P00374](#)

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

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

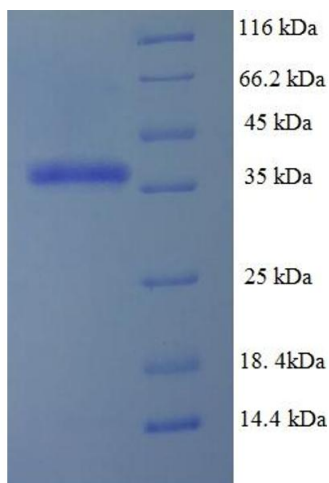
Concentration: 0.1-2 mg/mL

Buffer: 20 mM Tris-HCl based buffer, pH 8.0

Storage: -80 °C, 4 °C, -20 °C

Storage Comment: Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Images



SDS-PAGE

Image 1.