

Recombinant Human MTHFR Protein (1-656 aa), His-tagged

Cat. No. MTHFR-1465H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MTHFR Protein (1-656 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Metabolism. Protein Description: Full Length.
Species	Human
Source	Yeast
ProteinLength	1-656 aa
Description	Catalyzes the conversion of 5,10-methylenetetrahydrofolate to 5-methyltetrahydrofolate, a co-substrate for homocysteine remethylation to methionine.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	76.6 kDa
AA Sequence	MVNEARGNSSLNPCLEGSASSGSESSKDSSRCSTPGLDPERHERLREKMRRRLRES GDKWFSLEFFPPRTAEGAVNLISRFDRMAAGGPLYIDVTWHPAGDPGSDKETSSM MIASTAVNYCGLETILHMTCCRQRLEEITGHLHKAKQLGLKNIMALRGDPIGDQWEE EEGGFNYAVDLVKHIRSEFGDYFDICVAGYPKGHPAAGSFEADLHLKEKVSAGADF IITQLFFEADTFFRFVKACTIONGDMITCPVPGIFPIQGYHSLRQLVKLSKLEVPQEIKDVIE PIKDNDAAIRNYGIELAVSLCQELLASGLVPGLHFYTLNREMATTEVLKRLGMWTEDP RRPLPWALSAHPKRREEDVRPIFWASRPKSYIYRTQEWDEFNNGRWGNSSSPAAG ELKDYYLFYLSKSKSPKEELLKMWGEELTSEESVFEVFLYLSGEPNRNGHKVTCLP

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

WNDEPLAAETSLKKEELLRVNRQGILTINSQPNINGKPSSDPIVGWGPSSGGYVFQKA
YLEFFTSRETAEALLQVLKKYELRVNYHLVNVKGENITNAPELQPNNAVTVGIFPGREII
QPTVVDPVVSFMFWKDEAFALWIERWGKLYEEESPSRTIIQYIHDNYFLVNLVDNDFP
LDNCLWQVVEDTLELLNRPTQNARETEAP

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name [MTHFR methylenetetrahydrofolate reductase \(NAD\(P\)H\) \[Homo sapiens \]](#)

Official Symbol [MTHFR](#)

Synonyms MTHFR; methylenetetrahydrofolate reductase (NAD(P)H);

Gene ID [4524](#)

mRNA Refseq [NM_005957](#)

Protein Refseq [NP_005948](#)

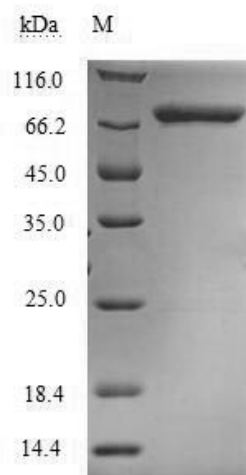
 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM 607093

UniProt ID P42898



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA