

Product datasheet for **TP308588**

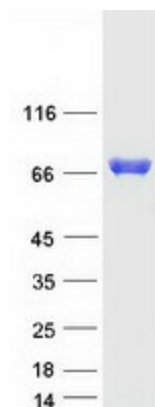
MTHFR (NM_005957) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human 5,10-methylenetetrahydrofolate reductase (NADPH) (MTHFR)
Species:	Human
Expression Host:	HEK293T
Tag:	C-Myc/DDK
Predicted MW:	74.4 kDa
Concentration:	>50 ug/mL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_005948
Locus ID:	4524
UniProt ID:	P42898 , Q8IU67 , Q59GJ6
RefSeq Size:	6099
Cytogenetics:	1p36.22
RefSeq ORF:	1968
Summary:	The protein encoded by this gene catalyzes the conversion of 5,10-methylenetetrahydrofolate to 5-methyltetrahydrofolate, a co-substrate for homocysteine remethylation to methionine. Genetic variation in this gene influences susceptibility to occlusive vascular disease, neural tube defects, colon cancer and acute leukemia, and mutations in this gene are associated with methylenetetrahydrofolate reductase deficiency.[provided by RefSeq, Oct 2009]
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Methane metabolism, One carbon pool by folate



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Product images:

Coomassie blue staining of purified MTHFR protein (Cat# TP308588). The protein was produced from HEK293T cells transfected with MTHFR cDNA clone (Cat# [RC208588]) using MegaTran 2.0 (Cat# [TT210002]).