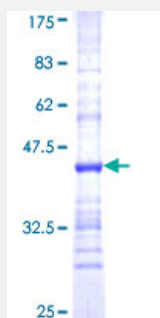


MTHFS (Human) Recombinant Protein (Q01)

Catalog # H00010588-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MTHFS partial ORF (NP_006432, 104 a.a. - 203 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LPKTSWNIPQPGEGDVREEALSTGGDLIFMPGLGFDKHGNRLGRGKGYDAYLKRCLQHQEVK PYTLALAFKEQICLQVPVNENDMKVDEVLYEDSSTA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (89); Rat (87)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MTHFS

Entrez GeneID	10588
GeneBank Accession#	NM_006441
Protein Accession#	NP_006432
Gene Name	MTHFS
Gene Alias	FLJ30410, HsT19268
Gene Description	5,10-methenyltetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase)
Omim ID	604197
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	-

Pathway

- [Metabolic pathways](#)
- [One carbon pool by folate](#)

Disease

- [Atherosclerosis](#)

- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colorectal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Lymphoma](#)
- [Ovarian Neoplasms](#)
- [Spinal Dysraphism](#)
- [Werner syndrome](#)