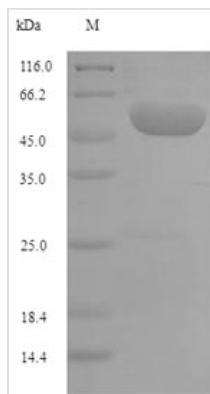




Recombinant Pongo abelii C-1-tetrahydrofolate synthase, Cytoplasmic domain (MTHFD1), partial

Product Code	CSB-EP732682PYX
Relevance	5,10-methylenetetrahydrofolate + NADP+ = 5,10-methenyltetrahydrofolate + NADPH. 5,10-methenyltetrahydrofolate + H ₂ O = 10-formyltetrahydrofolate. ATP + formate + tetrahydrofolate = ADP + phosphate + 10-formyltetrahydrofolate.
Abbreviation	Recombinant Pongo abelii MTHFD1 protein, partial
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q5R8P0
Alias	Short name:C1-THF synthase
Product Type	Recombinant Protein
Immunogen Species	Pongo abelii (Sumatran orangutan) (Pongo pygmaeus abelii)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MAPAEILNGREISAQIRARLKNQVTQLKEQVPGFTPGLAILLVGNRDDSNLYINV KLKAAEEIGIKATHIKLPRTTTESEVIKYITSLNEDSTVHGFLVQLPLDSENSINTE EVINAIAPKDVDGLTSISAGKLARGDLNDCFIPCTPKGCLELIKETGVPIAGRHA VVVGRSKIVGAPMHDLLLWNNATVTTCHSKTANLDEEVNKGDILVVATGRPEM VKGEWIKPGAIVIDCGINYVPDDKKPNGRKVVGDVAYDEAKERASFITVPVGGV GPMTVAMLMQSTVESAKRFLEKFKPGKWMI
Research Area	Cell Biology
Source	E.coli
Target Names	MTHFD1
Expression Region	1-305aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	49.0kDa
Protein Length	Partial
Image	



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

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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