

## 32-13327: MTHSFD Human

**Alternative Name :** Methenyltetrahydrofolate synthase domain-containing protein, Methenyltetrahydrofolate synthase domaincontaining protein, Methenyltetrahydrofolate synthase

### Description

Source: Escherichia Coli.

Sterile Filtered colorless solution.

MTHSFD, also known as Methenyltetrahydrofolate Synthetase Domain Containing protein, is linked to Pancreas, Annular and Gastrointestinal Defects. It has also been associated with Immunodeficiency Syndrome. Some of the Gene Ontology annotations that are related to the MTHSFD gene are nucleic acid binding and nucleotide binding.

MTHSFD Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 406 amino acids (1-383 a.a.) and having a molecular mass of 44.5kDa. MTHSFD is fused to a 23 amino acid His tag at N-Terminus and purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

**Content :** The MTHSFD solution (0.25mg/ml) contains 30% glycerol, 1mM DTT and Phosphate-Buffered Saline (pH 7.4).

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSMEPRAVG VSKQDIREQI WGYMESQNLA DFPRPVHHRI  
PNFKGASHAA EQLPRLQAFK TARTIKVNPDPAPQKSARFFV LESKKTLLVP TPLRLTGLFN KITPPPGATK  
DILRKCATSQ GVRNYSVPIG LDSRVLVDLV VVGSAVAVSEK GWRIGKGEGY ADLEYAMMVS MGAVSKETPV  
VTIVHDCQVV DIPEELVEEH DITVDYILTP TRVIATGCKR PKPMGITWFK ISLEMMEKIP ILRSLRAREQ  
QAGKDVTLQG EHQLHPEPGC QQTVPLSVGR RPPDTPGPET NSMEAAPGSP PGEGAPLAAD  
VYVGNLPGDA RVSDLKRALR ELGSVPLRLT WQGPRRRRAFL HYPDSAAAQQ AVSCLQGLRL  
GTDTLRVALAÂ RQQRDK