

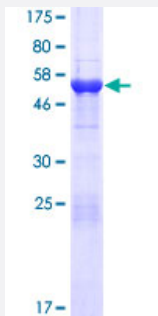
Full-Length

C2orf25 (Human) Recombinant Protein (P01)

Catalog # H00027249-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human C2orf25 full-length ORF (NP_056517.1, 1 a.a. - 296 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MANVLCNRARLVSYLPGFCSLVKRVVNPKAFSTAGSSGSDESHVAAAPPDICSRTVWPDETMG
PFGPQDQRFQLPGNIGFDCHLNGTASQKKSLVHKTLPDVLAEPSSERHEFVMAQYVNEFQGND
APVEQEINSAETYFESARVECAIQTCPELLRKDFESLFPEVANGKLMILTVTQTKNDMTVWSEEV
EIEREVLLKFIINGAKEICYALRAEGYWADFIDPSSGLAFFGPYTNNTLFETDERYRHLGFSVDDL
GCKVIRHSLWGTHTVVVGSIFTNATPD SHIMKKLSGN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

59.3

Interspecies Antigen Sequence

Mouse (93); Rat (92)

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 — MMADHC

Entrez GeneID[27249](#)**GeneBank Accession#**[NM_015702.1](#)**Protein Accession#**[NP_056517.1](#)**Gene Name**

MMADHC

Gene Alias

C2orf25, CL25022

Gene Description

methylmalonic aciduria (cobalamin deficiency) cbID type, with homocystinuria

Gene Ontology[Hyperlink](#)**Gene Summary**

This gene encodes a mitochondrial protein that is involved in an early step of vitamin B12 metabolism. Vitamin B12 (cobalamin) is essential for normal development and survival in humans. Mutations in this gene cause methylmalonic aciduria and homocystinuria type cbID (MMADHC), a disorder of cobalamin metabolism that is characterized by decreased levels of the coenzymes adenosylcobalamin and methylcobalamin. Pseudogenes have been identified on chromosomes 11 and X

Other Designations

protein C2orf25, mitochondrial

Disease

- [Cardiovascular Diseases](#)

- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [HIV Infections](#)