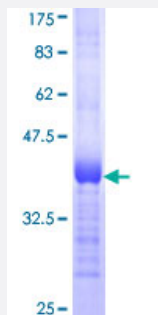


HMGCs1 (Human) Recombinant Protein (Q01)

Catalog # H00003157-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HMGCs1 partial ORF (NP_002121, 422 a.a. - 520 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	VFAENMKLREDTHHLVNYIPQGSIDSLFEGTWYLVVRVDEKRRRTYARRPTPNDDTLDEGVGLVHS NIATEHIPSPAKKVPRLPATAAEPEAAVISNGEH
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
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 — HMGCS1

Entrez GeneID	3157
GeneBank Accession#	NM_002130
Protein Accession#	NP_002121
Gene Name	HMGCS1
Gene Alias	HMGCS, MGC90332
Gene Description	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble)
Omim ID	142940
Gene Ontology	Hyperlink
Other Designations	3-hydroxy-3-methylglutaryl coenzyme A (HMG-CoA) synthase hydroxymethylglutaryl-CoA synthase 1

Pathway

- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Butanoate metabolism](#)
- [Metabolic pathways](#)
- [Synthesis and degradation of ketone bodies](#)

- [Terpenoid backbone biosynthesis](#)
- [Valine](#)

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)
- [Lymphoma](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)