

Recombinant Human 3-hydroxy-3-methylglutaryl-coenzyme A reductase(HMGCR),partial

Catalog No: #AP70398

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Package Size: #AP70398-1 20ug #AP70398-2 100ug #AP70398-3 1mg

Description

Product Name	Recombinant Human 3-hydroxy-3-methylglutaryl-coenzyme A reductase(HMGCR),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:588-887aaSequence Info:Partial
Accession No.	P04035
Calculated MW	36 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MTRGPVVRLPRACDSAIEVKAWLETSEGFVAVKEAFDSTSRFARLQKLHTSIAGRNLVIRFQSRSGDAMGMNMI SKGTEKALSKLHEYFPEMQLAVSGNYCTDKKPAAINWIEGRGKSVVCEAVIPAKVVREVLKTTTEAMIEVNINK NLVGSAMAGSIGGYNAHAANIVTAIYIACGQDAAQNVGSSNCITLMEASGPTNEDLYISCTMPSIEIGTVGGGT NLLPQQACLQMLGVQGACKDNPGENARQLARIVCGTVMAGELSLMAALAAGHLVKSHMIHNRSKINLQDLQG ACTKKT
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Transmembrane glycoprotein that is the rate-limiting enzyme in cholesterol biosynthesis as well as in the biosynthesis of nonsterol isoprenoids that are essential for normal cell function including ubiquinone and geranylgeranyl proteins.

References

The UBIAD1 prenyltransferase links menaquinone-4 synthesis to cholesterol metabolic enzymes.Nickerson M.L., Bosley A.D., Weiss J.S., Kostiha B.N., Hirota Y., Brandt W., Esposito D., Kinoshita S., Wessjohann L., Morham S.G., Andresson T., Kruth H.S., Okano T., Dean M.Hum. Mutat. 34:317-329(2013)Research Topic:Metabolism

Note: This product is for in vitro research use only and is not intended for use in humans or animals.