

Product datasheet for **AR50398PU-N**

MMACHC (1-282, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	MMACHC (1-282, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHEPKVA ELKQKIEDTL CPFGEVYYPF QVAWYNELLP PAFHLPLPGP TLAFLVLSTP AMFDRALKPF LQSCHLRMLT DPVDQCVAYH LGRVRESLPE LQIEIIADYE VHPNRRPKIL AQTAHVAGA AYYYQRQDVE ADPWGNQRIS GVCIHPRFVG WFAIRGVLL PGIEVPDLPP RKP HDCVPT R ADRIALLEGF NFHW RDW TYR DAVTPQERYS EEQKAYFSTP PAQRLALLGL AQPSEKPSSP SPDLPFTTPA PKKPGNPSRA RSWLSPRVSP PASPGP
Tag:	His-tag
Predicted MW:	34 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human MMACHC protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001317469
Locus ID:	25974
UniProt ID:	Q9Y4U1 , A0A0C4DGU2
Cytogenetics:	1p34.1
Synonyms:	cb1C



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Summary:

The exact function of the protein encoded by this gene is not known, however, its C-terminal region shows similarity to TonB, a bacterial protein involved in energy transduction for cobalamin (vitamin B12) uptake. Hence, it is postulated that this protein may have a role in the binding and intracellular trafficking of cobalamin. Mutations in this gene are associated with methylmalonic aciduria and homocystinuria type cblC. [provided by RefSeq, Oct 2009]

Product images: