

Product datasheet for **AR50481PU-S**

GCLM / GLCLR (1-274, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	GCLM / GLCLR (1-274, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Tag:	His-tag
Predicted MW:	33.3 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 0.15M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human GCLM 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_001295182
Locus ID:	2730
UniProt ID:	P48507
Cytogenetics:	1p22.1
Synonyms:	GLCLR
Summary:	Glutamate-cysteine ligase, also known as gamma-glutamylcysteine synthetase, is the first rate limiting enzyme of glutathione synthesis. The enzyme consists of two subunits, a heavy catalytic subunit and a light regulatory subunit. Gamma glutamylcysteine synthetase deficiency has been implicated in some forms of hemolytic anemia. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015]



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Protein Families: Druggable Genome

Protein Pathways: Glutathione metabolism, Metabolic pathways

Product images:

