

## Product datasheet for **AR50108PU-N**

### GMDS (1-496, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	GMDS (1-496, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MASSTGDRSQ AVRHGLRAKV LTLDGMNPRV RRVEYAVRGP IVQRALELEQ ELRQGVKKPF TEVIRANIGD AQAMGQRPIT FLRQVLALCV NPDLLSSPNF PDDAKKRAER ILQACGGHSL GAYSVSSGIQ LIREDVARYI ERRDGGIPAD PNNVFLSTGA SDAIVTVLKL LVAGEGHTRT GVLIPQPYP LYSATLAELG AVQVDYYLDE ERAWALDVAE LHRALGQARD HCRPRALCVI NPGNPTGQVQ TRECIEAVIR FAFEERLFL ADEVYQDNVY AAGSQFHSFK KVLMEMGPPY AGQQELASFH STSKGYMGEC GFRGGYVEV NMDAAVQQQM LKLMSVRLCP PVPGQALLDL VVSPAPTDP SFAQFQAEKQ AVLAELAAKA KLTEQVFNEA PGISCNPVQG AMYSFPRVQL PPRAVERAQE LGLAPDMFFC LRLLEETGIC VVPGSGFGQR EGTYHFRMTI LPPLEKLRL LLEKLSRFHAK FTLEYS
Tag:	His-tag
Predicted MW:	56.8 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 20% glycerol, 2 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human GPT protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
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:	<u><a href="#">NP_001240775</a></u>
Locus ID:	2762



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UniProt ID: [O60547](#), [E9PI88](#), [O60547-2](#)

Cytogenetics: 6p25.3

Synonyms: GMD; SDR3E1

Summary: GDP-mannose 4,6-dehydratase (GMD; EC 4.2.1.47) catalyzes the conversion of GDP-mannose to GDP-4-keto-6-deoxymannose, the first step in the synthesis of GDP-fucose from GDP-mannose, using NADP<sup>+</sup> as a cofactor. The second and third steps of the pathway are catalyzed by a single enzyme, GDP-keto-6-deoxymannose 3,5-epimerase, 4-reductase, designated FX in humans (MIM 137020).[supplied by OMIM, Aug 2009]

Protein Families: Druggable Genome

Protein Pathways: Amino sugar and nucleotide sugar metabolism, Fructose and mannose metabolism, Metabolic pathways

### Product images:

