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Product datasheet for AR50096PU-N

Arginosuccinase (1-464, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Arginosuccinase (1-464, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MASESGKLWG GRFVGAVDPI MEKFNASIAY DRHLWEVDVQ GSKAYSRGLE KAGLLTKAEM DQILHGLDKV AEEWAQGTFK LNSNDEDIHT ANERRLKELI GATAGKLHTG RSRNDQVVTD LRLWMRQTCS TLSGLLWELI RTMVDRAEAE RDVLFPGYTH LQRAQPIRWS HWILSHAVAL TRDSERLLEV RKRINVLPLG SGAIAGNPLG VDRELLRAEL NFGAITLNSM DATSERDFVA EFLFWASLCM THLSRMAEDL ILYCTKEFSF VQLSDAYSTG SSLMPQKKNP DSLELIRSKA GRVFGRCAGL LMTLKGLPST YNKDLQEDKE AVFEVSDTMS AVLQVATGVI STLQIHQENM GQALSPDMLA TDLAYYLVRK GMPFRQAHEA SGKAVFMAET KGVALNQLSL QELQTISPLF SGDVICVWDY GHSVEQYGAL GGTARSSVDW QIRQVRALLQ AQQA
Tag:	His-tag
Predicted MW:	53.8 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 2 mM DTT, 10% glycerol, 100 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ASL 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_000039
Locus ID:	435

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UniProt ID: P04424, A0A024RDL8

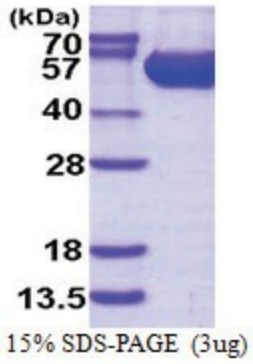
Cytogenetics: 7q11.21

Synonyms: ASAL

Summary: This gene encodes a member of the lyase 1 family. The encoded protein forms a cytosolic homotetramer and primarily catalyzes the reversible hydrolytic cleavage of argininosuccinate into arginine and fumarate, an essential step in the liver in detoxifying ammonia via the urea cycle. Mutations in this gene result in the autosomal recessive disorder argininosuccinic aciduria, or argininosuccinic acid lyase deficiency. A nontranscribed pseudogene is also located on the long arm of chromosome 22. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]

Protein Pathways: Alanine, aspartate and glutamate metabolism, Arginine and proline metabolism, Metabolic pathways

Product images:



15% SDS-PAGE (3ug)