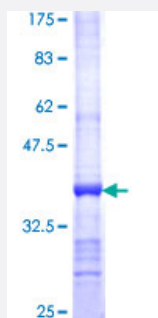


ALAS2 (Human) Recombinant Protein (Q01)

Catalog # H00000212-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ALAS2 partial ORF (NP_000023, 1 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MVTAAMLLQCCPVLARGPTSLLGKVVKTHQFLFGIGRCPILATQGPNC SQIHLKATKAGGDSPSW AKGHCPFMLSELQDGKSKIVQKAAPEVQEDVKAFK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (86); Rat (85)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ALAS2

Entrez GeneID [212](#)

GeneBank Accession# [NM_000032](#)

Protein Accession# [NP_000023](#)

Gene Name ALAS2

Gene Alias ALAS-E, ALASE, ANH1, ASB, FLJ93603, XLSA

Gene Description aminolevulinate, delta-, synthase 2

Omim ID [301300](#)

Gene Ontology [Hyperlink](#)

Gene Summary The product of this gene specifies an erythroid-specific mitochondrially located enzyme. The encoded protein catalyzes the first step in the heme biosynthetic pathway. Defects in this gene cause X-linked pyridoxine-responsive sideroblastic anemia. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]

Other Designations 5-aminolevulinate synthase, erythroid-specific, mitochondrial|5-aminolevulinic acid synthase|OTT HUMP00000023388|OTTHUMP00000023389|delta-ALA synthetase|delta-aminolevulinate synthase

Pathway

- [Glycine](#)
- [Metabolic pathways](#)
- [Porphyrin and chlorophyll metabolism](#)