

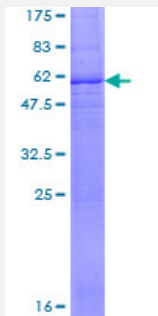
Full-Length

SLC25A15 (Human) Recombinant Protein (P01)

Catalog # H00010166-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SLC25A15 full-length ORF (NP_055067.1, 1 a.a. - 301 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKSNPAIQAAIDL TAGAAGGTACVLTGQPFDTMKVKMQTFPDLYRGLTDCCLKTYSQVGFRGFYK
GTSPALIANIAENSVLFMCYGFCCQQVVRKVAGLDKQAKLSDLQNAAGSFASAFALVLCPTLV
KCRLQTMYEMETSGKIAKSQNTVWSVIKSLRKDGPLGFYHGLSSTLLREVPGYFFFFGGYELSR
FFASGRSKDELGPVPLMLSGGVGGICLWLAVYPVDCIKSRIQVLSMSGKQAGFIRTFINVVKNEGIT
ALYSGLKPTMIRAFPANGALFLAYEYSRKLMMNQLEAY

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

59.1

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 — SLC25A15

Entrez GeneID [10166](#)

GeneBank Accession# [NM_014252.2](#)

Protein Accession# [NP_055067.1](#)

Gene Name SLC25A15

Gene Alias D13S327, HHH, ORC1, ORNT1

Gene Description solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15

Omim ID [238970 603861](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene is a member of the mitochondrial carrier family. The encoded protein transports ornithine across the inner mitochondrial membrane from the cytosol to the mitochondrial matrix. The protein is an essential component of the urea cycle, and functions in ammonium detoxification and biosynthesis of the amino acid arginine. Mutations in this gene result in hyperornithinemia-hyperammonemia-homocitrullinuria (HHH) syndrome. There is a pseudogene of this locus on the Y chromosome.

Other Designations OTTHUMP00000042249|ornithine transporter 1