

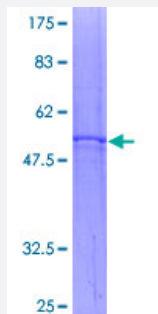
Full-Length

SLC25A4 (Human) Recombinant Protein (P01)

Catalog # H00000291-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SLC25A4 full-length ORF (NP_001142.2, 1 a.a. - 298 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGDHAWSFLKDFLAGGVAAAVSKTAVAPIERVKLLLQVQHASKQISAEKQYKGIIIDCVVRIPKEQG
FLSFWRGNLANVIRYFPTQALNFAFKDKYKQLFLGGVDRHKQFWRYFAGNLASGGAAGATSLCF
VYPLDFARTRLAADVKGAAQREFHGLGDCIIKIFKSDGLRGLYQGFNVSVQGIIYRAAYFGVYDTA
KGMLPDPKNVHIFVSWMIAQSVTAVAGLVSYPFDTVRRRMMMQSGRKGADIMYTGTVDCWRKIA
KDEGAFAFFKGAWSNVL RGMGGAFVLVLYDEIKKYV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

59.5

Interspecies Antigen Sequence

Mouse (95)

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 — SLC25A4

Entrez GeneID[291](#)**GeneBank Accession#**[NM_001151.2](#)**Protein Accession#**[NP_001142.2](#)**Gene Name**

SLC25A4

Gene Alias

AAC1, ANT, ANT1, PEO2, PEO3, T1

Gene Description

solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4

Omim ID[103220 157640 609283](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene is a member of the mitochondrial carrier subfamily of solute carrier protein genes. The product of this gene functions as a gated pore that translocates ADP from the mitochondrial matrix into the cytoplasm. The protein forms a homodimer embedded in the inner mitochondria membrane. Mutations in this gene have been shown to result in autosomal dominant progressive external ophthalmoplegia and familial hypertrophic cardiomyopathy. [provided by RefSeq]

Other Designations

adenine nucleotide translocator 1 (skeletal muscle)

Pathway

- [Calcium signaling pathway](#)

Disease

- [Abnormalities](#)
- [Genetic Predisposition to Disease](#)
- [Ophthalmoplegia](#)
- [Parkinson disease](#)
- [Parkinsonian Disorders](#)