

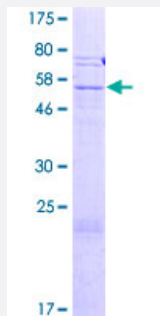
Full-Length

SLC25A31 (Human) Recombinant Protein (P01)

Catalog # H00083447-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SLC25A31 full-length ORF (NP_112581.1, 1 a.a. - 315 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MHREPAKKKAEKRLFDASSFGKDLAGGVAAVSKTAVAPIERVKLLLQVQASSKQISPEARYKG
MVDCLVRIPREQGFFSFWRGNLANVIRYFPTQALNFAFKDKYKQLFMSGVNKEKQFWRWFLANL
ASGGAAGATSLC VVYPLDFARTRLGVDIGKGPEERQFKGLGDCIMKIAKSDGIAGLYQGFGVSVQ
GIMYRASYFGAYDTVKGLLPKPKKTPFLVSFFIAQVVTTCGILSYPFDTVRRRMMMQSGEAKRQY
KGTLD CFVKYQHEGISSFFRGAFSNVLRGTGGALVVLVYDKIKEFFHIDIGGR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

61.4

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 — SLC25A31

Entrez GeneID	83447
GeneBank Accession#	NM_031291.1
Protein Accession#	NP_112581.1
Gene Name	SLC25A31
Gene Alias	AAC4, ANT4, DKFZp434N1235, SFEC35kDa
Gene Description	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 31
Omim ID	610796
Gene Ontology	Hyperlink
Gene Summary	Mitochondrial ADP/ATP carriers, such as SLC25A31, are nuclear-coded mitochondrial proteins that catalyze the exchange of ATP generated in mitochondria by ATP synthase (see MIM 108729) against ADP produced in cytosol by most energy-consuming reactions (Dolce et al., 2005 [PubMed 15670820]).[supplied by OMIM]
Other Designations	adenine nucleotide translocase 4 sperm flagellar energy carrier

Pathway

- [Calcium signaling pathway](#)