Full-Length

SLC25A19 (Human) Recombinant Protein (P01)

Catalog # H00060386-P01 Size 25 ug, 10 ug

Applications

Specification

Product Description	Human SLC25A19 full-length ORF (AAH01075, 1 a.a. - 320 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MVGYDPKPDGRNNTKFQVAVAGSVSGLVTRALISPFDVIKIRFQLQHERLSRSDPSAKYHGILQAS RQILQEEGPTAFWKGHVPAQILSIGYGAVQFLSFEMLTELVHRGSVYDAREFSVHFVCGGLAACM ATLTVHPVDVLRTRFAAQGEPKVYNTLRHAVGTMYRSEGPQVFYKGLAPTLIAIFPYAGLQFSCYS SLKHLYKWAIPAEGKKNENLQNLLCGSGAGVISKTLTYPLDLFKKRLQVGGFEHARAAFGQVRRY KGLMDCAKQVLQKEGALGFFKGLSPSLLKAALSTGFMFFSYEFFCNVFHCMNRTASQR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	60.94
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 — SLC25A19

Entrez GeneID	60386
GeneBank Accession#	BC001075
Protein Accession#	AAH01075
Gene Name	SLC25A19
Gene Alias	DNC, MCPHA, MUP1, TPC
Gene Description	solute carrier family 25 (mitochondrial thiamine pyrophosphate carrier), member 19
Omim ID	606521 607196
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a mitochondrial protein that is a member of the solute carrier family. Although t his protein was initially thought to be the mitochondrial deoxynucleotide carrier involved in the upta ke of deoxynucleotides into the matrix of the mitochondria, further studies have demonstrated that this protein instead functions as the mitochondrial thiamine pyrophosphate carrier, which transport s thiamine pyrophosphates into mitochondria. Mutations in this gene cause microcephaly, Amish t ype, a metabolic disease that results in severe congenital microcephaly, severe 2-ketoglutaric aci duria, and death within the first year. Multiple alternatively spliced variants, encoding the same pro tein, have been identified for this gene. [provided by RefSeq
Other Designations	mitochondrial uncoupling protein 1|solute carrier family 25 (mitochondrial deoxynucleotide carrier) , member 19|solute carrier family 25, member 19