

Recombinant Human SLC25A12 protein, His & T7-tagged

Cat. No. SLC25A12-1686H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC25A12 aa. (Thr7~Asp245 (Accession # O75746)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Thr7~Asp245
Description	This gene encodes a calcium-binding mitochondrial carrier protein. The encoded protein localizes to the mitochondria and is involved in the exchange of aspartate for glutamate across the inner mitochondrial membrane. Polymorphisms in this gene may be associated with autism, and mutations in this gene may also be a cause of global cerebral hypomyelination. Alternatively spliced transcript variants have been observed for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.1kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
Isoelectric Point	5.8

GENE INFORMATION

Gene Name	SLC25A12 solute carrier family 25 member 12 [Homo sapiens (human)]
Official Symbol	SLC25A12
Synonyms	SLC25A12; solute carrier family 25 member 12; AGC1; ARALAR; EIEE39; calcium-binding mitochondrial carrier protein Aralar1; araceli hiperlarga; calcium binding mitochondrial carrier superfamily member Aralar1; mitochondrial aspartate glutamate carrier 1; solute carrier family 25 (aspartate/glutamate carrier), member 12; solute carrier family 25 (mitochondrial carrier, Aralar), member 12
Gene ID	8604
mRNA Refseq	NM_003705.4

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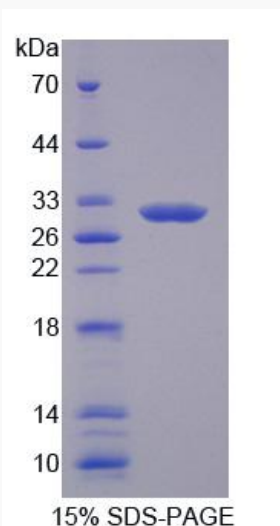
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Protein Refseq NP_003696.2

UniProt ID O75746

SDS-PAGE



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