

Recombinant Full Length Human ENSA Protein, GST-tagged

Cat. No. ENSA-4327HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human ENSA full-length ORF (AAH00436, 1 a.a. - 121 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	121 amino acids
Description	<p>The protein encoded by this gene belongs to a highly conserved cAMP-regulated phosphoprotein (ARPP) family. This protein was identified as an endogenous ligand for the sulfonylurea receptor, ABCC8/SUR1. ABCC8 is the regulatory subunit of the ATP-sensitive potassium (KATP) channel, which is located on the plasma membrane of pancreatic beta cells and plays a key role in the control of insulin release from pancreatic beta cells. This protein is thought to be an endogenous regulator of KATP channels. In vitro studies have demonstrated that this protein modulates insulin secretion through the interaction with KATP channel, and this gene has been proposed as a candidate gene for type 2 diabetes. At least eight alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]</p>
Molecular Mass	39.05 kDa
AA Sequence	MSQKQEEENPAEETGEEKQDTQEKEGILPERAEEAKLKAKYPSLGQKPGGSDFLMK RLQKGQKYFDSGDYNMAKAKMKNKQLPSAGPDKNLVTGDHIPTPQDLQPQRKSSLV

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TSKLAGGQVE

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[ENSA endosulfine alpha \[Homo sapiens \]](#)

Official Symbol

[ENSA](#)

Synonyms

ENSA; endosulfine alpha; alpha-endosulfine; ARPP 19e; MGC4319; MGC8394; MGC78563; ARPP-19e;

Gene ID

[2029](#)

mRNA Refseq

[NM_004436](#)

Protein Refseq

[NP_004427](#)

MIM

[603061](#)

UniProt ID

[O43768](#)

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