

Recombinant Human ENSA, GST-tagged

Cat. No. ENSA-12464H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ENSA protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-121a.a.
Description	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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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
Chromosome Location	1q21.3
Function	ion channel inhibitor activity; phosphatase inhibitor activity; protein phosphatase 2A binding; protein phosphatase inhibitor activity; protein phosphatase type 2A regulator activity; receptor binding;

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