

Recombinant Human ENSA Protein, GST-tagged

Cat. No. ENSA-3328H **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	Wheat Germ
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. [provided by RefSeq, Jul 2008]
Molecular Mass	39.05 kDa
AA Sequence	MSQKQEEENPAEETGEEKQDTQEKEGILPERAEEAKLKAKYPSLGQKPGGSDFLMK RLQKGQKYFDSDYNMAKAKMKNKQLPSAGPDKNLVTGDHIPTPQDLQPQRKSSLV TSKLAGGQVE

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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

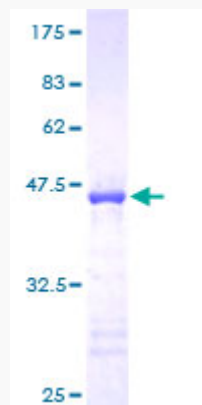
Gene Name	ENSA endosulfine alpha [Homo sapiens]
Official Symbol	ENSA
Synonyms	ENSA; endosulfine alpha; alpha-endosulfine; ARPP 19e; MGC4319; MGC8394; MGC78563; ARPP-19e;
Gene ID	2029
mRNA Refseq	NM_004436
Protein Refseq	NP_004427
MIM	603061
UniProt ID	O43768

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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