

Datasheet for ABIN666932

Ensa Protein (AA 1-121) (His tag)



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1 Image

Overview

Quantity:	100 µg
Target:	Ensa (ENSA)
Protein Characteristics:	AA 1-121
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Ensa protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	ENSA, 1-121aa, Human, His tag, E.coli
Purity:	> 90 % by SDS-PAGE

Target Details

Target:	Ensa (ENSA)
Alternative Name:	ENSA (ENSA Products)
Background:	ENSA, also known as alpha endosulfine, belongs to a highly conserved cAMP-regulated phosphoprotein (ARPP) family. This protein is expressed in a wide range of tissues including muscle, brain, and endocrine tissues. 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

Target Details

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. Recombinant ENSA protein was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: ARPP-19e, Alpha endosulfine isoform 3 Alpha endosulfine, ARPP 19e, Endosulfine alpha. NCBI no.: NP_004427

Molecular Weight: 15.5 kDa (141aa), confirmed by MALDI-TOF.

Application Details

Restrictions: For Research Use only

Handling

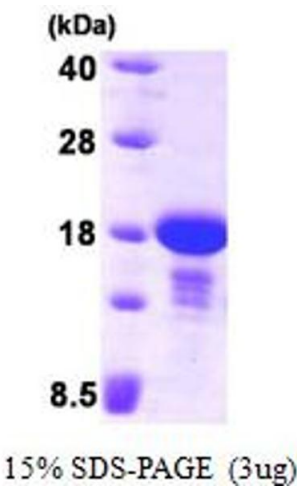
Format: Liquid

Concentration: 1 mg/ml (determined by BCA)

Buffer: Liquid. In 20mM Tris buffer(pH 8.0) containing 10% glycerol, 1mM DTT.

Storage: 4 °C

Images



SDS-PAGE

Image 1.