

**ENSA, 1-121aa, Human, His tag, E.coli**

**Cat.NO.: TP02021**

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3th Edition

**Synonyms:**Alpha endosulfine isoform 3, ARPP-19e

**Description:**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 and plays a key role in the control of insulin release from pancreatic beta cells.

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

**Molecular Weight:**15.5 kDa (141aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMSQKQEEENPAEETGEEKQDTQEKEGILPERAEEAKLKAKYPSLGQKPGGSDFL  
MKRLQKGQKYFDSGDYNMAKAKMKNKQLPSAGPDKNLVTGDHIPTPQDLPQRKSSLVTSKLAGGQVE

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.