

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

Cat.NO.: TP02021

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
MKRLQKGQKYFDSGDYNMAKAKMKNKQLPSAGPDKNLVTGDHIPTQDLPQRKSSLVTSKLAGGQVE

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.