



[Go to Product page](#)

Datasheet for ABIN667786

EIF2S1 Protein (AA 1-315) (His tag)

1 Image

Overview

Quantity:	50 µg
Target:	EIF2S1
Protein Characteristics:	AA 1-315
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This EIF2S1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	EIF2S1, 1-315aa, Human, His tag, E.coli
Purity:	> 85 % by SDS - PAGE

Target Details

Target:	EIF2S1
Alternative Name:	EIF2S1 (EIF2S1 Products)
Background:	EIF2S1, also known as eIF2 alpha, is the alpha subunit of the translation initiation factor eIF2 complex which catalyzes the first regulated step of protein synthesis initiation, promoting the binding of the initiator tRNA to 40S ribosomal subunits. The phosphorylation state of eIF2S1 controls the rate of tRNA translation. When eIF2 alpha is not phosphorylated, translation occurs at a normal rate. However, upon phosphorylation by one of several kinases, eIF2S1 is stabilized,

Target Details

thus preventing the GDP/GTP exchange reaction and slowing translation. Recombinant human EIF2S1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: EIF-2, EIF-2A, EIF-2alpha, EIF2, EIF2A, Eukaryotic translation initiation factor 2 subunit 1 EIF 2 alpha, EIF 2, EIF 2A, EIF 2alpha, EIF2 alpha, Eukaryotic translation initiation factor 2 subunit 1 alpha 35kDa, Eukaryotic translation initiation factor 2 subunit 1 alpha, # Eukaryotic translation initiation factor 2 subunit alpha. NCBI no.: NP_004085

Molecular Weight: 38.2 kDa (335aa) confirmed by MALDI-TOF

Pathways: [Ribonucleoprotein Complex Subunit Organization](#), [ER-Nucleus Signaling](#), [Hepatitis C](#)

Application Details

Restrictions: For Research Use only

Handling

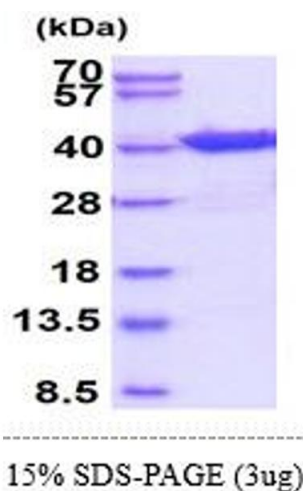
Format: Liquid

Concentration: 0.5 mg/ml (determined by Bradford assay)

Buffer: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl

Storage: 4 °C

Images



SDS-PAGE

Image 1.