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EIF2S1, 1-315aa, Human, His tag, E.coli

产品货号: TP01993

第三版

别名:Eukaryotic translation initiation factor 2 subunit 1, EIF-2, EIF-2A, EIF-2alpha, EIF2, EIF2A

描述:EIF2S1, also known as eIF2, 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 is not phosphorylated, translation occurs at a normal rate.

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

分子量:38.2 kDa (335aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMPGLSCRFYQHKFPEVEDVVMVNVRSIAEMGAYVSLLEYNNIEGMILLSELSRRRIRSINK
LIRIGRNECVVIRVDKEKGYIDLSKRRVSPEEAIKCEDKFTKSKTVYSILRHVAEVLEYTKDEQLESFQRTAWVFDDKYKR
PGYGAYDAFKHAVSDPSILDSLNLNEDEREVLINNINRRLTPQAVKIRADIEVACYGYEGIDAVKEALRAGLNCSTENMPIK
INLIAPPRYVMTTTLERTEGLSVLSQAMAVIKEKIEEKRGVFNVQMEPKVVTDDETALARQMERLERENAEVDGDDDA
EEMEAKAED

纯度:> 95% by HPLC

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

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.