

Eukaryotic Translation Initiation Factor 2 Subunit 1 Alpha Human Re-

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| Item Number | rAP-3262 |
| Synonyms | Eukaryotic translation initiation factor 2 subunit 1, Eukaryotic translation initiation factor 2 subunit alpha, eIF-2-alpha, EIF-2alpha, EIF-2A, EIF2, EIF-2, EIF2A, EIF-2A. |
| Description | EIF2S1 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 335 amino acids (1-315 a.a.) and having a molecular mass of 38.2 kDa. The EIF2S1 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. |
| Uniprot Accession Number | P05198 |
| Amino Acid Sequence | MGSSHHHHH SSGLVPRGSH MPGLSCRFYQ HKFPEVEDVV MVNVRSAEM GAYVSLLEYN NIEG-MILLSE LSRRRIRSIN KLIRIGRNEC VVVIRVDKEK GYIDLSKRRV SPEEAIKCED KFTKSKTVYS ILRH-VAEVLE YTKDEQLESL FQRTAWVFDD KYKRPGYGAY DAFKHAVSDP SILDSL DLNE DEREVLINNI NRRLTPQAVK IRADIEVACY GYEGIDAVKE ALRAGLNCST ENMPIKINLI APPRYVM TTT TLERTEGLSV LSQAMAVIKE KIEEKRGVFN VQMEPKVVTD TDETELARQM ERLERENAEV DGDDDAEEME AKAED |
| Source | Escherichia Coli. |
| Physical Appearance and Stability | Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles. |
| Formulation and Purity | 0.5mg/ml solution containing 20mM Tris-HCl pH-8, 0.1M NaCl & 10% glycerol. Greater than 85% as determined by SDS-PAGE. |
| Application | |
| Solubility | |
| Biological Activity | |
| Shipping Format and Condition | Lyophilized powder at room temperature. |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**