

Eukaryotic Translation Initiation Factor 2B Subunit 1 Alpha Human Re-

Item Number	rAP-3255
Synonyms	Translation initiation factor eIF-2B subunit alpha, eIF-2B GDP-GTP exchange factor subunit alpha, EIF2B1, EIF2BA, EIF2B.
Description	EIF2B1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 325 amino acids (1-305 a.a.) and having a molecular mass of 35.8kDa. EIF2B1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q14232
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MDDKELIEYF KSQMKEDPDM ASAVAAIRTL LEFLKRDKGE TIQGLRANLT SAITLCGVD SSVAVSSGGE LFLRFISLAS LEYSDYSKCK KIMIERGELF LRRISLSRNK IADLCHTFIK DGATILTHAY SRVVLRVLEA AVAAKKRFSV YVTESQPDLS GKMKAKALCH LNPVTVVLD AAVGYIMEKA DLVIVGAEGV VENGGIINKI GTNQMAVCAK AQNKPFYVVA ESFKFVRLFP LNQQDVPDKF KYKADTLKVA QTGQDLKEEH PWVDYTAPSL ITLLFTDLGV LTPSAVSDEL IKLYL.
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	The EIF2B1 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.1M NaCl. Greater than 90.0% 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**