

Eukaryotic Translation Elongation Factor 1 Gamma Human Recombi-

Item Number	rAP-3252
Synonyms	EF1G, GIG35, Elongation factor 1-gamma, Eukaryotic Translation Elongation Factor 1 Gamma, EEF1G, EF-1-gamma, eEF-1B gamma, PRO1608.
Description	EEF1G Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 460 amino acids (1-437) and having a molecular mass of 52.5 kDa. EEF1G is fused to a 23 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.
Uniprot Accession Number	P26641
Amino Acid Sequence	MGSSHHHHH SSSLVPRGSH MGSMAAGTLY TYPENWRAFK ALIAAQYSGA QVRVLSAPPH FHFGQTNRTP EFLRKFPAGK VPAFEGDDGF CVFESNAIAY YVSNEELRGS TPEAAQVQ WVSFADSDIV PPASTWVFPT LGIMHHNKQA TENAKEEVRR ILGLLDAYLK TRTFLVGERV TLADITVVCT LLWLYKQVLE PSFRQAFPNT NRWFLTCINQ PQFRAVLGEV KLCEKMAQFD AKKFAETQPK KDTPRKEKGS REEKQKPQAE RKEEKAAAP APEEEMDECE QALAAEPKAK DPFAHLPKST FVLDE- FKRKY SNEDTLSVAL PYFWEHFDKD GWSLWYSEYR FPEELTQTFM SCNLITGMFQ RLDKLRKNAF
Source	E.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 EEF1G solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT. Greater than 90% 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**