
Product Data Sheet

Product Name: EEF1G Human
 Cat. No.: GP23358
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	EEF1G; GIG35; Elongation factor 1-gamma; Eukaryotic Translation Elongation Factor 1 Gamma; EEF1G; EF-1-gamma; eEF-1B gamma; PRO1608.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAAGTLY TYPENWRAFK ALIAAQYSGA QVRVLSAPPH FHFGQTNRTP EFLRKFPAGK VPAFEGDDGF CVFESNAIAY YVSNEELRGS TPEAAAQVVQ WVSFADSDIV PPASTWVFPT LGIMHHNKQA TENAKEEVRR ILGLLDAYLK TRTFLVGERV TLADITVVCT LLWLYKQVLE PSFRQAFPNT NRWFLTCINQ PQFRAVLGEV KLCEKMAQFD AKKFAETQPK KDTPRKEKGS REEKQKPQAE RKEEKKAAAP APEEEMDECE QALAAEPKAK DPFAHLPKST FVLDEFKRKY SNEDTLSVAL PYFWEHFDKD GWSLWYSEYR FPEELTQTFM SCNLITGMFQ RLDKLRKNAF ASVILFGTNN SSSISGVWVF RGQELAFPLS PDWQVDYESY TWRKLDPGSE ETQTLVREYF SWEGAFQHVG KAFNQGKIFK.		
Formulation	The EEF1G solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

Introduction

Eukaryotic Translation Elongation Factor 1 Gamma (EEF1G) takes part in anchoring the complex to additional cellular components. EEF1G is a multi-protein complex which is in charge of the delivery of aminoacyl-tRNAs to the ribosome. Over expression of EEF1G is linked with pancreatic cancer, due to the role of EEF1G protein in the oncogenic transformation process.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

Background

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.

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