

PRODUCT INFORMATION

Target	KIAA1970
Synonyms	COXPD12; gluRS; MSE1; mtGlnRS
Description	Purified recombinant protein of Human glutamyl-tRNA synthetase 2, mitochondrial (putative) (EARS2), nuclear gene encoding mitochondrial protein, transcript variant 1, full length, with N-terminal HIS tag, expressed in E.Coli, 50ug
Delivery	2-3 weeks
Uniprot ID	Q5JPH6
Expression Host	E. coli
Tag	N-His
Molecular Characterization	N/A
Molecular Weight	58.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Formulation & Reconstitution	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl.
Storage & Shipping	Store at -80°C.
Background	This gene encodes a member of the class I family of aminoacyl-tRNA synthetases. These enzymes play a critical role in protein biosynthesis by charging tRNAs with their cognate amino acids. This protein is encoded by the nuclear genome but is likely to be imported to the mitochondrion where it is thought to catalyze the ligation of glutamate to tRNA molecules. Mutations in this gene have been associated with combined oxidative phosphorylation deficiency 12 (COXPD12). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2015]
Usage	Research use only
Conjugate	Unconjugated

