



# Recombinant Human Probable glutamate--tRNA ligase, mitochondrial (EARS2)

<b>Product Code</b>	CSB-MP705509HU
<b>Abbreviation</b>	EARS2
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q5JPH6
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>                     APSPTGFLH LGGLRTALYN YIFAKKYQGS FILRLEDTDQ TRVVPGAAEN                      IEDMLEWAGI PPDESPRRGG PAGPYQQSQR LELYAQATEA LLKTGAAYPC                      FCSPQRLELL KKEALRNHQT PRYDNRRCRNM SSEQVAQKLA KDPKPAIRFR                      LEQVVPAFQD LVYGWNRHEV ASVEGDPVIM KSDGFPTYHL ACVVDDHHMG                      ISHVLRGSEW LVSTAKHLLL YQALGWQPPH FAHLPLLLNR DGSKLSKRQG                      DVFLEHFAAD GFLPDSLDDI ITNCGSGFAE NQMGRTPLEL ITQFNLTQVT                      CHSALLDLEK LPEFNRLHLQ RLVSNESQRR QLVGKQLQVLV EEAFGCQLQN                      RDVLNPVYVE RILLRQGGHI CRLQDLVSPV YSYLWTRPAV GRAQLDAISE                      KVDVIAKRVL GLLERSSMSL TQDMLNGELK KLSEGLEGTK YSNVMKLLRM                      ALSGQQQGPP VAEMMLALGP KEVRERIQKV VSS                 </p>
<b>Source</b>	Mammalian cell
<b>Target Names</b>	EARS2
<b>Protein Names</b>	Recommended name: Probable glutamate--tRNA ligase, mitochondrial EC= 6.1.1.17 Alternative name(s): Glutamyl-tRNA synthetase Short name= GluRS
<b>Expression Region</b>	42-523
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life



of lyophilized form is 12 months at -20°C/-80°C.