

Product datasheet for **AR09955PU-N**

FARS2 (37-451, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	FARS2 (37-451, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MPAAECATQR</u> APGSWVLLG KSYPQDDHSN LTRKVLTRVG RNLHNQQHHP LWLIKERVKE HFYKQYVGRF GTPLFSVYDN LSPVTTWQN FDSLLIPADH PSRKKGDNY LNRTHMLRAH TSAHQWDLLH AGLDAFLVVG DVYRRDQIDS QHYPIFHQLE AVRLFSKHEL FAGIKDGESL QLFEQSSRSA HKQETHTEA VKLVEFDLKQ TLTRLMAHLF GDELEIRWVD CYFPFTHPSF EMEINFHGEW LEVLGCGVME QQLVNSAGA QDRIGWAFGLG LERLAMILYD IPDIRLFWCE DERFLKQFCV SNINQKVKFQ PLSKYPVIN DISFWLPSEN YAENDFYDLV RTIGGDLEK VDLIDKFVHP KTHKTSHCYR ITYRHMERTL SQREVRHIHQ ALQEAAVQLL GVEGRF
Tag:	His-tag
Predicted MW:	50.6 kDa
Concentration:	lot specific
Purity:	>90%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 30% glycerol, 1 mM EDTA, 0.1M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human FARS2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001305801</u>
Locus ID:	10667
UniProt ID:	<u>O95363</u>



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Cytogenetics: 6p25.1

Synonyms: COXPD14; FARS1; HSPC320; mtPheRS; PheRS; SPG77

Summary: This gene encodes a protein that transfers phenylalanine to its cognate tRNA. This protein localizes to the mitochondrion and plays a role in mitochondrial protein translation. Mutations in this gene can cause combined oxidative phosphorylation deficiency 14 (Alpers encephalopathy). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

Protein Pathways: Aminoacyl-tRNA biosynthesis

Product images:

