



# Recombinant human SEPSECS [His] (DAG-WT2254)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

Species	Human
Purity	> 95% as determined by SDS-PAGE
Conjugate	His
Applications	Immunoassays
Molecular Weight	57.9 kDa
Format	Liquid
Size	50 µg, 500 µg, 1 mg
Buffer	20mM Tris, 300mM NaCl, 1mM DTT, 50% Glycerol, PH 8.0
Preservative	None
Storage	Store at -20°C

## BACKGROUND

Introduction	In the archaea and eukaryotes, the conversion of the mischarged serine to selenocysteine (Sec) on its tRNA is accomplished in two steps. This enzyme, O-phosphoseryl-tRNA(Sec) selenium transferase, acts second, after a phosphorylation step catalysed by a homologue of the bacterial SelA protein. It converts O-phosphoseryl-tRNA(Sec) to selenocysteinyl-tRNA(Sec), which is required for selenoprotein biosynthesis.
Keywords	O-phosphoseryl-tRNA(Sec) selenium transferase; SEPSECS

# GENE INFORMATION

UniProt ID	Q9HD40
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