

Recombinant Human GEFT, His-tagged

Cat. No. GEFT-13220H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GEFT protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-349a.a.
Description	This gene encodes glycyl-tRNA synthetase, one of the aminoacyl-tRNA synthetases that charge tRNAs with their cognate amino acids. The encoded enzyme is an (alpha)2 dimer which belongs to the class II family of tRNA synthetases. It has been shown to be a target of autoantibodies in the human autoimmune diseases, polymyositis or dermatomyositis.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4, 17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	ARHGEF25 Rho guanine nucleotide exchange factor (GEF) 25 [Homo sapiens]
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Official Symbol	ARHGEF25
Synonyms	ARHGEF25; Rho guanine nucleotide exchange factor (GEF) 25; rho guanine nucleotide exchange factor 25; GEFT; p63RhoGEF; RAC/CDC42 exchange factor; RhoA/RAC/CDC42 exchange factor; rac/Cdc42/Rho exchange factor GEFT; guanine nucleotide exchange factor GEFT; rhoA/Rac/Cdc42 guanine nucleotide exchange factor GEFT;
Gene ID	115557
mRNA Refseq	NM_001111270
Protein Refseq	NP_001104740
MIM	610215
UniProt ID	Q86VW2
Chromosome Location	12q13.3
Pathway	G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; Regulation of CDC42 activity, organism-specific biosystem; Regulation of RAC1 activity, organism-specific biosystem; Regulation of RhoA activity, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by GPCR, organism-specific biosystem;
Function	Rho guanyl-nucleotide exchange factor activity; guanyl-nucleotide exchange factor activity;