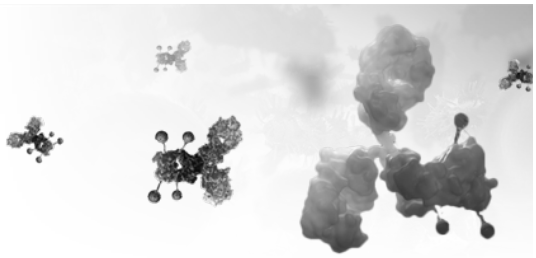

Human TBC1D4 peptide (DAG-P1225)

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

PRODUCT INFORMATION

Antigen Description	May act as a GTPase-activating protein for RAB2A, RAB8A, RAB10 and RAB14. Isoform 2 promotes insulin-induced glucose transporter SLC2A4/GLUT4 translocation at the plasma membrane, thus increasing glucose uptake.
Specificity	Widely expressed. Isoform 2 is the highest overexpressed in most tissues. Isoform 1 is highly expressed in skeletal muscle and heart, but was not detectable in the liver nor in adipose tissue. Isoform 2 is strongly expressed in adrenal and thyroid gland,
Conjugate	Unconjugated
Sequence Similarities	Contains 2 PID domains.Contains 1 Rab-GAP TBC domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	TBC1D4 TBC1 domain family, member 4 [Homo sapiens (human)]
Official Symbol	TBC1D4
Synonyms	TBC1D4; TBC1 domain family, member 4; AS160; TBC1 domain family member 4; akt substrate of 160 kDa; Acrg embryonic lethality minimal region ortholog; TBC (Tre-2, BUB2, CDC16) domain-containing protein;
Entrez Gene ID	9882

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mRNA Refseq	NM_001286658.1
Protein Refseq	NP_001273587.1
UniProt ID	O60343
Chromosome Location	13q22.2
Pathway	Class I PI3K signaling events mediated by Akt, organism-specific biosystem; Insulin Signaling, organism-specific biosystem; Insulin-mediated glucose transport, organism-specific biosystem; Membrane Trafficking, organism-specific biosystem; Thyroid hormone signaling pathway, organism-specific biosystem; Translocation of GLUT4 to the Plasma Membrane, organism-specific biosystem;
Function	Rab GTPase activator activity;

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