

Recombinant Human TBC1D25 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TBC1D25-6099H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TBC1D25 MS Standard C13 and N15-labeled recombinant protein (NP_002527) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein with a TBC domain and functions as a Rab GTPase activating protein. The encoded protein is involved in the fusion of autophagosomes with endosomes and lysosomes. This gene was previously known as ornithine aminotransferase-like 1, but has no similarity to ornithine aminotransferase.
Molecular Mass	76.3 kDa
AA Sequence	MATASGASDLSGSGAPPPGVGAQAAAAAEEEEEREVVRVRVKKCESFLPPEFRSFA VDPQITSLDVLQHILIRAFDLSGKKNFGISYLGRDRLGQEVYLSLLSDWDLSTAFATAS KPYLQLRVDIRPSEDSPLLEDWDIISPKDVIGSDVLLAEKRSSLTTAALPFTQSILTQV GRTLKSVQQVLSWSYGEDVKPFKPPLSDAEFHTYLNHEGQLSRPEELRLRIYHGGV EPSLRKVWRYLLNVYPDGLTGRERMDYMKRKSREYEQLKSEWAQRASPEDLEFI RSTVLKDVLRTDRAHPYYAGPEDGPHLRALHDLLTTYAVTHPQVSYCQGMSDLASP ILAVMDHEGHAFVCFCGIMKRLAANFHPDGRAMATKFAHLKLLRHADPDFYQYLQE AGADDLFFCYRWLLLELKREFAFDDALRMLEVTWSSLPPDPPEHEVELVGPPSQVA DTGFGGHRGWVVRQRHMLRPAGGGGGSTFEDAVDHLATASQGPGGGGRLLRQAS

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LDGLQQLRDNMGSRDPLVQLPHPAALISSKSLSEPLLNSPDPLLSSFHPDSPSSS
 SPPSTQEASPTGDMAVGSPMLQEVGSPKDPGKSLPPVPPMGLPPPQEFGRGNPF
 MLFLCLAILLEHRDHIMRNGLDYNELAMHFDRLVRKHHHLGRVLRRARALFADYQLQE
 VWDSEEGAEATAASTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name TBC1D25 TBC1 domain family member 25 [Homo sapiens (human)]

Official Symbol TBC1D25

Synonyms TBC1D25; TBC1 domain family member 25; MG81; OATL1; TBC1 domain family member 25; 5SN3 snoRNA; ornithine aminotransferase-like 1

Gene ID 4943

mRNA Refseq NM_002536

Protein Refseq NP_002527

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MIM	311240
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UniProt ID	Q3MII6
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