

Active Recombinant Human TM2 Domain Containing 1

Cat. No. TM2D1-1929H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TM2 Domain Containing 1 was expressed in <i>E. coli</i> . MW=4.33kDa.
Species	Human
Source	E.coli
Description	Beta-amyloid peptide (A β), the major constituent of amyloid plaques in the brains of Alzheimer's patients, is thought to be the cause of Alzheimer's Disease (AD). AD is the most common neurodegenerative disease and afflicts about 10% of the population over 60.
Purity	> 97%.
Sequence	Asp-Ala-Glu-Phe-Arg-His-Asp-Ser-Gly-Tyr-Glu-Val-His-His-Gln-Lys-Leu-Val-Phe-Phe-Ala-Glu-Asp-Val-Gly-Ser-Asn-Lys-Gly-Ala-Ile-Ile-Gly-Leu-Met-Val-Gly-Gly-Val-Val
Activity	Measured by its ability to bind the complex of Artemin-GFR α 3 in a functional ELISA. Serial dilution of immobilized rhRet (100 μ L/well) was tested for binding with rmArtemin (10 ng/mL) in the presence of rhGFR α 3/Fc (2 μ g/mL). The ED50 of the immobilized Ret in this assay is typically 2 - 6 μ g/mL.
Resuspension	Resuspend in 1 % NH ₄ OH, at a concentration of 1 mg/ml. Sonicate for 30 seconds to 1 minute after it has gone into solution. To bring it into your buffer: After resuspension, add 5x or 10x buffer stock and water, to bring to 1x buffer.

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Format	White lyophilized powder.
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Storage	-20 ⁰ C
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GENE INFORMATION

Gene Name	TM2D1 TM2 domain containing 1 [Homo sapiens]
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Synonyms	TM2D1; TM2 domain containing 1; BBP; beta-amyloid-binding protein; hBBP; beta-amyloid-binding protein
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Gene ID	83941
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mRNA Refseq	NM_032027
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Protein Refseq	NP_114416
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MIM	610080
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UniProt ID	P07949
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Chromosome Location	1p31
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Function	G-protein coupled receptor activity; beta-amyloid binding
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