

# Active Recombinant Human TM2 Domain Containing 1

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human TM2 Domain Containing 1 was expressed in <i>E. coli</i> . MW=4.33kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Beta-amyloid peptide (A $\beta$ ), 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.
<b>Purity</b>	> 97%.
<b>Sequence</b>	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
<b>Activity</b>	Measured by its ability to bind the complex of Artemin-GFR $\alpha$ 3 in a functional ELISA. Serial dilution of immobilized rhRet (100 $\mu$ L/well) was tested for binding with rmArtemin (10 ng/mL) in the presence of rhGFR $\alpha$ 3/Fc (2 $\mu$ g/mL). The ED50 of the immobilized Ret in this assay is typically 2 - 6 $\mu$ g/mL.
<b>Resuspension</b>	Resuspend in 1 % NH <sub>4</sub> 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.

**Storage** -20°C

## GENE INFORMATION

**Gene Name** [TM2D1 TM2 domain containing 1 \[ Homo sapiens \]](#)

**Synonyms** TM2D1; TM2 domain containing 1; BBP; beta-amyloid-binding protein; hBBP; beta-amyloid-binding protein

**Gene ID** [83941](#)

**mRNA Refseq** [NM\\_032027](#)

**Protein Refseq** [NP\\_114416](#)

**MIM** [610080](#)

**UniProt ID** [P07949](#)

**Chromosome Location** 1p31

**Function** G-protein coupled receptor activity; beta-amyloid binding

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