

Recombinant Mouse Ttr protein, His-tagged

Cat. No. Ttr-729M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ttr aa. (Gly21~Asn147) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Gly21~Asn147
Description	This gene encodes a carrier protein responsible for the transport of thyroid hormones and retinol. The protein consists of a tetramer of identical subunits. Due to increased stability of the tetramer form of this encoded protein in mouse, compared to the human protein, this gene product has a reduced tendency to form amyloid fibrils. In humans, this protein binds beta-amyloid preventing its aggregation and providing a neuroprotective role in Alzheimer's disease.
Form	Freeze-dried powder
Molecular Mass	17kDa as determined by SDS-PAGE reducing conditions
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>98%
Characteristic	The isoelectric point is 6.3.

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Applications	SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200g/mL
Storage buffer	PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300
Reconstitution	Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

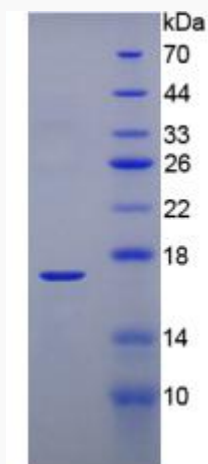
Gene Name	Ttr transthyretin [Mus musculus (house mouse)]
Official Symbol	Ttr
Synonyms	Ttr; transthyretin; D17860; AA408768; AI787086; prealbumin
Gene ID	22139
mRNA Refseq	NM_013697.5
Protein Refseq	NP_038725.1
UniProt ID	P07309

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SDS-PAGE



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