

## Recombinant Mouse Ttr protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Ttr aa. (Gly21~Asn147) fused with N-terminal His tag was produced in E. coli cells.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Gly21~Asn147
<b>Description</b>	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.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	17kDa as determined by SDS-PAGE reducing conditions
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	>98%
<b>Characteristic</b>	The isoelectric point is 6.3.

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<b>Applications</b>	SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.
<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Concentration</b>	200g/mL
<b>Storage buffer</b>	PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300
<b>Reconstitution</b>	Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

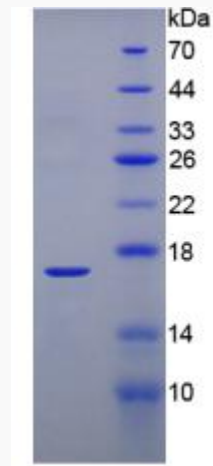
<b>Gene Name</b>	Ttr transthyretin [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	Ttr
<b>Synonyms</b>	Ttr; transthyretin; D17860; AA408768; AI787086; prealbumin
<b>Gene ID</b>	22139
<b>mRNA Refseq</b>	NM_013697.5
<b>Protein Refseq</b>	NP_038725.1
<b>UniProt ID</b>	P07309

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SDS-PAGE



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