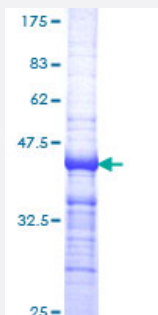


THRBB (Human) Recombinant Protein (Q01)

Catalog # H00007068-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human THRBB partial ORF (NP_000452, 1 a.a. - 110 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MTPNSMTENGLTAWDKPKHCPDREHDWKLVGMSEACLHRKSHSERRSTLKNEQSSPHLIQTTWTSSIFHLDHDDVNDQSVSSAQTFQTEKKCKGYPSYLDKDELCVVC
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (88); Rat (87)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — THRB

Entrez GeneID	7068
GeneBank Accession#	NM_000461
Protein Accession#	NP_000452
Gene Name	THRB
Gene Alias	ERBA-BETA, ERBA2, GRTH, MGC126109, MGC126110, NR1A2, PRTN, THR1, THRB1, THRB2
Gene Description	thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2, avian)
Omim ID	188570 190160 274300
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a nuclear hormone receptor for triiodothyronine. It is one of the several receptors for thyroid hormone, and has been shown to mediate the biological activities of thyroid hormone. Knockout studies in mice suggest that the different receptors, while having certain extent of redundancy, may mediate different functions of thyroid hormone. Mutations in this gene are known to be a cause of generalized thyroid hormone resistance (GTHR), a syndrome characterized by goiter and high levels of circulating thyroid hormone (T3-T4), with normal or slightly elevated thyroid stimulating hormone (TSH). Several alternatively spliced transcript variants encoding the same protein have been observed for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000161044 avian erythroblastic leukemia viral (v-erb-a) oncogene homolog 2 oncogene ERBA2 thyroid hormone receptor beta 1 thyroid hormone receptor beta isoform thyroid hormone receptor, beta

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Abortion](#)
- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Infertility](#)
- [Metabolic Syndrome X](#)
- [Narcolepsy](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Thyroid Diseases](#)
- [Thyroid Hormone Resistance Syndrome](#)
- [Tobacco Use Disorder](#)