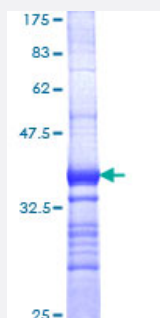


THRA (Human) Recombinant Protein (Q01)

Catalog # H00007067-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human THRA partial ORF (AAH02728, 87 a.a. - 178 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	PTYSCKYDSCCVIDKITRNQCQLCRFKKCIAVGMAMDLVLDDSKRVAKRKLIEQNRERRRKEEMIR SLQQRPEPTPEEWDLIHATEAHRST
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.86
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 — THRA

Entrez GeneID	7067
GeneBank Accession#	BC002728
Protein Accession#	AAH02728
Gene Name	THRA
Gene Alias	AR7, EAR7, ERB-T-1, ERBA, ERBA1, MGC000261, MGC43240, NR1A1, THRA1, THRA2, c-ERBA-1
Gene Description	thyroid hormone receptor, alpha (erythroblastic leukemia viral (v-erb-a) oncogene homolog, avian)
Omim ID	190120
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. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]
Other Designations	ERBA-related 7 OTTHUMP00000164470 avian erythroblastic leukemia viral (v-erb-a) oncogene homolog thyroid hormone receptor alpha thyroid hormone receptor, alpha triiodothyronine receptor

Publication Reference

- [MuRF1 mono-ubiquitinates TR \$\alpha\$ to inhibit T3-induced cardiac hypertrophy in vivo.](#)

Wadosky KM, Berthiaume JM, Tang W, Zungu M, Portman MA, Gerdes AM, Willis MS.

Journal of Molecular Endocrinology 2016 Apr; 53(3):273.

Application: Added, Recombinant protein

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Prostate cancer](#)
- [Thyroid Neoplasms](#)