

Product datasheet for PH325776

Thyroid Hormone Receptor beta (THRB) (NM_001128176) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	THRB MS Standard C13 and N15-labeled recombinant protein (NP_001121648)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC225776
Predicted MW:	52.8 kDa
Protein Sequence:	>RC225776 protein sequence Red=Cloning site Green=Tags(s)
	MTPNSMTENGLTAWDKPKHCPDREHDWKLVGMSEACLHRKSHSERRSTLKNEQSSPHLIQTTWTSSIFHL DHDDVNDQSVSSAQTFQTEEEKCKGYIPSYLDKDEL CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH PSYSCKYEGKCVIDKVTRNQCCQECRFKCKIYVGMATDLVDDSKRLAKRKLIEENREKRRREELQKSIGH KPEPTDEEWELIKTVTEAHVATNAQGSHWKQKRKFLPEDIGQAPIVNAPEGGKVDLEAFSHFTKIITPAI TRVVDFAKKLPFCELPCEQIILLKGCCMEIMSLRAAVRYDPESETLTLNGEMAVTRGQLKNGGLGVVS DAIFDLGMSLSSFNLDDETEVALLQAVLLMSSDRPGLACVERIEKYQDSFLLAFEHYINRYKHHVTHFWPK LLMKVTDLRMIGACHASRFLHMKVECPTLFPPLFLEVFD
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001121648
RefSeq Size:	7527
RefSeq ORF:	1383
Synonyms:	C-ERBA-2; C-ERBA-BETA; ERBA2; GRTH; NR1A2; PRTB; THR1; THRB1; THRB2; TRbeta



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Locus ID: 7068

UniProt ID: [P10828](#), [A0A024R2I8](#)

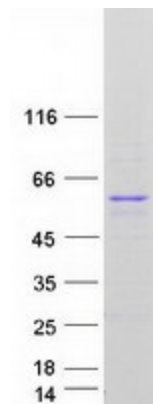
Cytogenetics: 3p24.2

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, Jul 2008]

Protein Families: Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Protein Pathways: Neuroactive ligand-receptor interaction

Product images:



Coomassie blue staining of purified THRB protein (Cat# [TP325776]). The protein was produced from HEK293T cells transfected with THRB cDNA clone (Cat# [RC225776]) using MegaTran 2.0 (Cat# [TT210002]).