



Recombinant Human Thyroid hormone receptor beta (THRB)

Product Code	CSB-EP023514HU-B
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P10828
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MTPNSMTENG LTAWDKPKHC PDREHDWKL V GMSEACLHRK SHSERRSTLK NEQSSPHLIQ TTWTSSIFHL DHDDVNDQSV SSAQTFQTEE KKCKGYIPSY LDKDELCVVC GDKATGYHYR CITCEGCKGF FRRTIQKNLH PSYSCKYEGK CVIDKVTRNQ CQECRFKKCI YVG MATDLVL DDSKRLAKRK LIEENREKRR REELQKSIGH KPEPTDEEWE LIKTVTEAHV ATNAQGS HWK QKRKFLPEDI GQAPIVNAPE GGKVDLEAFS HFTKIITPAI TRVVDFAKKL PMFCELPCEQ QIILLKGCCM EIMSLRAAVR YDPESETLTL NGEMAVTRGQ LKNGLGVVS DAIFDLGMSL SSFNLDDTEV ALLQAVLLMS SDRPGLACVE RIEKYQDSFL LA FEHYINYR KHHVTHFWPK LLMKVTDLRM IGACHASRFL HMKVECPTEL FPPLFLEVFE D
Source	E.coli
Target Names	THRB
Protein Names	Recommended name: Thyroid hormone receptor beta Alternative name(s): Nuclear receptor subfamily 1 group A member 2 c-erbA-2 c-erbA-beta
Expression Region	1-461
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This protein 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.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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