# Recombinant Human lymphotoxin beta receptor (TNFR superfamily, member 3), His-tagged

**Cat. No.** LTBR-674H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | LTBR, 28-227aa Human, His tag, E.coli |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | 28-227 a.a. |
| **Description** | LTBR plays a role in signalling during the development of lymphoid and other organs, lipid metabolism,immune response, and programmed cell death. Activity of this receptor has also been linked to carcinogenesis. Alternatively spliced transcript variants encoding multiple isoforms have been observed. Recombinant human LTBR protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. |
| **Form** | Liquid. In PBS buffer (pH 7.4) containing 10% glycerol, 1mM DTT |
| **Molecular Mass** | 24.6kDa (224aa) confirmed by MALDI-TOF |
| **AA Sequence** | MGSSHHHHHH SSGLVPRGSH MGSMSQPQAV PPYASENQTC RDQEKEYYEP QHRICCSRCP PGTYVSAKCS RIRDTVCATC AENSYNEHWN YLTICQLCRP CDPVMGLEEI APCTSKRKTQ CRCQPGMFCA AWALECTHCE LLSDCPPGTE AELKDEVGKG NNHCVPCKAG HFQNTSSPSA RCQPHTRCEN QGLVEAAPGT AQSDTTCKNP LEPLPPEMSG TMLM |

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| **Purity** | >90% by SDS - PAGE |
| **Storage** | Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles. |
| **Concentration** | 0.5 mg/ml (determined by Bradford assay) |

## GENE INFORMATION

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| **Gene Name** | LTBR lymphotoxin beta receptor (TNFR superfamily, member 3) [ Homo sapiens ] |
| **Official Symbol** | LTBR |
| **Synonyms** | LTBR; lymphotoxin beta receptor (TNFR superfamily, member 3); D12S370; tumor necrosis factor receptor superfamily member 3; TNF R III; TNFCR; TNFR RP; TNFR2 RP; TNFRSF3; TNF-RIII; TNFR-III; lymphotoxin B receptor; lymphotoxin-beta receptor; TNFR superfamily, member 3; tumor necrosis factor C receptor; tumor necrosis factor receptor type III; tumor necrosis factor receptor 2-related protein; tumor necrosis factor receptor superfamily, member 3; CD18; TNFR-RP; TNFR2-RP; LT-BETA-R; TNF-R-III; |
| **Gene ID** | 4055 |
| **mRNA Refseq** | NM_002342 |
| **Protein Refseq** | NP_002333 |
| **MIM** | 600979 |
| **UniProt ID** | P36941 |

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| **Chromosome Location** | 12p13 |
| **Pathway** | Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; Intestinal immune network for IgA production, organism-specific biosystem; Intestinal immune network for IgA production, conserved biosystem; |
| **Function** | identical protein binding; protein binding; receptor activity; |

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