

32-8316: Recombinant Human TMX2/TXNDC14 (N-6His)

Gene : TMX2
Gene ID : 51075
Uniprot ID : Q9Y320

Description

Source: E. coli.
MW :21.9kD.

Recombinant Human TMX2 is produced by our E.coli expression system and the target gene encoding Met125-Lys296 is expressed with a 6His tag at the N-terminus. TMX2 is a single-pass type I membrane protein and contains 1 thioredoxin domain. Thioredoxin plays an important role in various cellular processes through redox regulation. The molecular cloning and characterization of one member of the thioredoxin superfamily, designated as TMX2. The TMX2 cDNA consists of 1644 nucleotides and contains an open reading frame encoding a protein of 372 amino acids with a predicted molecular mass of 42.5 kDa and an isoelectric point of 8.94. The TMX2 protein may possess an N-terminal signal peptide, a potential transmembrane domain, an Myb DNA-binding domain repeat signature, a thioredoxin consensus pattern, an endoplasmic reticulum (ER) membrane retention signal (KKXX-like motif), and a dileucine motif in the tail.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, pH8.0.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : MGSSHHHHHSSGLVPRGSHMTCKPPLYMGPEYIKYFNDKTIDEELERDKRVTWIVEFFANWSNDCQSFAPYADLSLKYNCTGLNFGKVDVGRYTDVSTRYKVSTSP LTKQLPTLILFQGGKEAMRRPQIDKKGRAVSWTFSEENVIREFNLNELYQRAKKLSKAGDNIPEEQPVASTPTTVSDGENKKDK

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.