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# TSTD1 Human

**Catalog #:**ENPS-101

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**Description:**TSTD1 Human Recombinant fused with a 20amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 135 amino acids (1-115 a.a.) and having a molecular mass of 14.6kDa. The TSTD1 is purified by proprietary chromatographic techniques.

**Synonyms:**Thiosulfate sulfurtransferase/rhodanese-like domain-containing protein 1, TSTD1, KAT.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MAGAPTVSLP ELRSLLASGR ARLFDVRSRE EAAAGTIPGA LNIPVSELES ALQMEPAAFQ ALYSAEKPKL EDEHLVFFCQ MGKRGLQATQ LARSLGYTGA RNYAGAYREW LEKES.

**Purity:**Greater than 95.0% as determined by SDS-PAGE.

**Formulation:**
The TSTD1 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 100mM NaCl.

**Stability:**
TSTD1 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage:**
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**
Thiosulfate sulfurtransferase like domain containing 1 (TSTD1) is a member of a family of transferases, specifically the sulfurtransferases, which transfer sulfur-containing groups. TSTD1 is localized around the nuclear membranes. TSTD1 is expressed in a number of human tissues, including the kidney, liver, skeletal muscle, heart, colon, thymus, spleen, placenta and lung. TSTD1 may participate in cyanide detoxification, the formation of iron-sulfur proteins, and the modification of sulfur-containing enzymes.

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