

## 32-7672: Recombinant Human Transaldolase/TALDO1 (C-6His)

**Gene :** TALDO1

**Gene ID :** 6888

**Uniprot ID :** P37837

### Description

Source: Human Cells.

MW :38.5kD.

Recombinant Human Transaldolase is produced by our Mammalian expression system and the target gene encoding Met1-Lys337 is expressed with a 6His tag at the C-terminus. Transaldolase (TALDO1) belongs to the transaldolase family of Type 1 subfamily. TALDO1 is expressed selectively in oligodendrocytes of the brain. TALDO1 is a key enzyme of the nonoxidative pentose phosphate pathway providing ribose-5-phosphate for nucleic acid synthesis and NADPH for lipid biosynthesis. This pathway can also maintain glutathione at a reduced state and thus protect sulfhydryl groups and cellular integrity from oxygen radicals. TALDO1 deficiency results in telangiectases of the skin, hepatosplenomegaly and enlarged clitoris.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 10% Glycerol, pH 8.0.

**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

**Amino Acid :** MSSSPVKRQRMESALDQLKQFTTVVADTGDFHAIDEYKPQDATTNPSLILAAAQMPAYQELVEEAIAYGRKLGG  
SQEDQIKNAIDKLFVLFGAEILKKIPGRVSTEVDARLSFDKDAMVARARRLIELYKEAGISKDRILIKLSSTWEGIQ  
AGKELEEQHGIHCNMTLLFSFAQAVACAEAGVTLPFVGRILDWHVANTDKKSYEPLEDPGVKSVTKIYNNYKK  
FSYKTIVMGASFRNTGEIKALAGCDFLTISPKLLGELLQDNAKLVPVLSAKAAQASDLEKIHLDEKSFRLHNED  
QMAVEKLSDGIRKFAADAVKLERMLTERMFAENGKVDHHHHHH

### Application Note

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