



Recombinant Protein Technical Manual
Recombinant Human Transaldolase/TALDO1 Protein
(His Tag)
RPES1115

Product Data:

Product SKU: RPES1115

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P37837

Protein Information:

Molecular Mass: 38.5 kDa

AP Molecular Mass: 38 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

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

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Transaldolase; TALDO1; TAL; TALDO; TALDOR

Immunogen Information:

Sequence: Met 1-Lys337

Background:

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.