



Recombinant Protein Technical Manual

Recombinant Human ALDOA Protein (His Tag)

RPES4352

Product Data:

Product SKU: RPES4352

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P04075

Protein Information:

Molecular Mass: 40.5 kDa

AP Molecular Mass: 36 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, 100mM NaCl, 20% Glycerol, pH 8.0.

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

Application:

Synonyms: Fructose-Bisphosphate Aldolase A; Lung Cancer Antigen NY-LU; Muscle-Type Aldolase; ALDOA; ALDA

Immunogen Information:

Sequence: Pro2-Tyr364

Background:

Fructose Bisphosphate Aldolase A (ALDOA) belongs to the class I fructose-bisphosphate aldolase family. ALDOA is a glycolytic enzyme that catalyzes the reversible conversion of fructose,6-bisphosphate to glyceraldehyde 3-phosphate and dihydroxyacetone phosphate. In vertebrates, three forms of this ubiquitous glycolytic enzyme are found, Aldolase A in muscle, Aldolase B in liver and aldolase C in brain. Aldolase A Interacts with SNX9 and WAS. Aldolase A deficiency has been associated with myopathy and hemolytic anemia. In addition, Aldolase A plays an important role in glycolysis and gluconeogenesis; it may also act as a scaffolding protein.