



Recombinant Protein Technical Manual

Recombinant Human ALDOC Protein (His Tag)

RPES4376

Product Data:

Product SKU: RPES4376

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P09972

Protein Information:

Molecular Mass: 40.3 kDa

AP Molecular Mass: 40 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, pH8.0.

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

Application:

Synonyms: Fructose-bisphosphate aldolase C; Brain-type aldolase; ALDC; Aldo3; Aldolase C; Scrg2; zebrin II

Immunogen Information:

Sequence: Phe2-Tyr364

Background:

Fructose-bisphosphate aldolase C (ALDOC) belongs to the class I fructose-bisphosphate aldolase family. It is an enzyme that, in humans, is encoded by the ALDOC gene. ALDOC is expressed exclusively in the hippocampus and Purkinje cells of the brain. ALDOC is a glycolytic enzyme which catalyzes the reversible aldol cleavage of fructose,6-biphosphate and fructose 1-phosphate to dihydroxyacetone phosphate and either glyceraldehyde-3-phosphate or glyceraldehydes respectively