



Recombinant Protein Technical Manual

Recombinant Human ACTR8 Protein (His Tag)

RPES1897

Product Data:

Product SKU: RPES1897

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q9H981-3

Protein Information:

Molecular Mass: 38.1 kDa

AP Molecular Mass: 38 kDa

Tag: N-6His

Bio-activity:

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

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

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,1mM DTT,pH7.4.

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

Application:

Synonyms: Actin-Related Protein 8; hArp8; INO80 Complex Subunit N; ACTR8; ARP8; INO80N

Immunogen Information:

Sequence: Met 1-Trp329

Background:

Actin-Related Protein 8 (ACTR8) is a member of the Actin family. ACTR8 is the first example in actin family that was found to be associated with mitotic chromosomes. ACTR8 plays a vital role in the functional organization of mitotic chromosomes. This protein is a proposed core component of the chromatin remodeling INO80 complex that is involved in transcriptional regulation, DNA replication and probable DNA repair, and it is required for the recruitment of INO80 (and probably the INO80 complex) to sites of DNA damage.