



Recombinant Protein Technical Manual

Recombinant Human SWSAP1 Protein (His Tag)

RPES3063

Product Data:

Product SKU: RPES3063

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q6NVH7

Protein Information:

Molecular Mass: 25.7 kDa

AP Molecular Mass: 30 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 PBS, pH7.4.

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

Application:

Synonyms: ATPase SWSAP1; SWIM-type zinc finger 7-associated protein 1; SWS1-associated protein 1; ZSWIM7-associated protein 1; SWSAP1; C19orf39

Immunogen Information:

Sequence: Met 1-Pro229

Background:

SWSAP1 is a nucleus ATPase protein, interacts with ZSWIM7 and forms a functional complex. The complex involved in homologous recombination repair and stabilizes each other. SWS1AP1 also interacts with RAD51, RAD51B, RAD51C, RAD51D and XRCC3. It involves in homologous recombination repair. ATPase is preferentially stimulated by single-stranded DNA and is involved in homologous recombination repair (HRR). SWSAP1 has a DNA-binding activity which is independent of its ATPase activity.