

Recombinant Human SWSAP1 Protein (His Tag)

Catalog No. PKSH032095

Note: Centrifuge before opening to ensure complete recovery of vial contents.

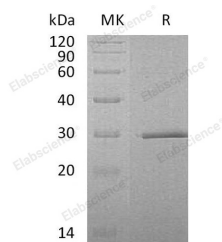
Description

Synonyms	ATPase SWSAP1;SWIM-type zinc finger 7-associated protein 1;SWS1-associated protein 1;ZSWIM7-associated protein 1;SWSAP1;C19orf39
Species	Human
Expression Host	E.coli
Sequence	Met 1-Pro229
Accession	Q6NVH7
Calculated Molecular Weight	25.7 kDa
Observed molecular weight	30 kDa
Tag	N-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, 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, 1mM EDTA, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

SWSAP1 is a nucleus ATPase protein, interacts with ZSWIM7 and forms a functional complex. The complexes involved

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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.