

Recombinant Human STAG1 protein, GST-tagged

Cat. No. STAG1-2986H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human STAG1 protein(880-1221 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	880-1221 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	IVDMHAAADIFKHVMKYYNDYGDIIKETLSKTRQIDKIQCAKTLILSLQQLFNELVQEQ GPNLDRTSAHVSGIKELARRFALTFGLDQIKTREAVATLHKDGIEFAFKYQNQKGQE YPPPNLAFLEVLSEFSSKLLRQDKKTVHSYLEKFLTEQMMERREDVWLPLISYRNSL VTGGEDDRMSVNSGSSSSKTSSVRNKKGRPPLHKKRVEDESLDNTWLNRTDTMIQ TPGPLPAPQLTSTVLRENSRPMGDQIQEPSEHGSEPDFLHNRGLMEEDAEPFIFD VMMSSRSQLEDMNEEFEDTMVIDLPPSRNRRERAELRPDFFDSAAIIEDDSGFGMP MF
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name STAG1 stromal antigen 1 [Homo sapiens]

Official Symbol STAG1

Synonyms STAG1; stromal antigen 1; cohesin subunit SA-1; SA 1; SCC3A; SCC3 homolog 1; nuclear protein stromal antigen 1; SA1; DKFZp781D1416;

Gene ID 10274

mRNA Refseq NM_005862

Protein Refseq NP_005853

MIM 604358

UniProt ID Q8WVM7

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SDS-PAGE

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