

Recombinant Human SAG protein, GST-tagged

Cat. No. SAG-2971H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SAG protein(1-113 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-113 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	MADVEDGEETCALASHSGSSGSKSGGDKMFSLKKWNAVAMWSWDVECDTCAICR VQVMDACLRCQAENKQEDCVVWGE CNHSFHNCCMSLWVKQNNRCPLCQQDWV VQRIGK
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
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.

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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 SAG S-antigen; retina and pineal gland (arrestin) [Homo sapiens]

Official Symbol SAG

Synonyms SAG; S-antigen; retina and pineal gland (arrestin); S-arrestin; ARRESTIN; arrestin 1; 48 kDa protein; rod photoreceptor arrestin; retinal S-antigen (48 KDa protein); RP47; S-AG; DKFZp686D1084; DKFZp686I1383;

Gene ID 6295

mRNA Refseq NM_000541

Protein Refseq NP_000532

MIM 181031

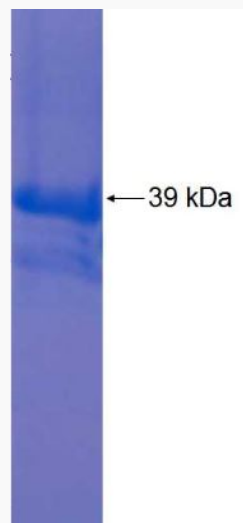
UniProt ID P10523

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SDS-PAGE



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