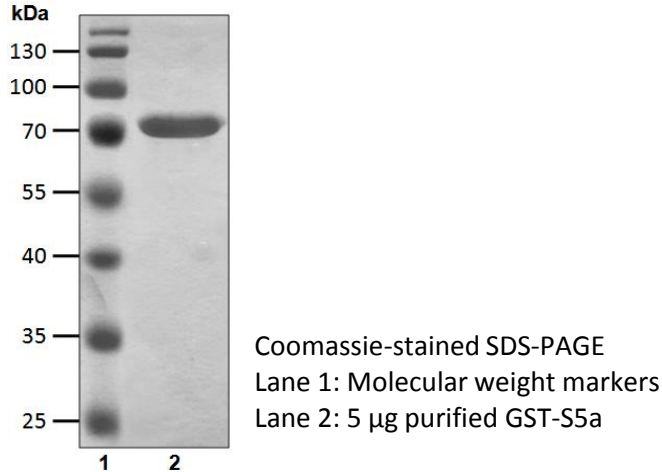


# GST-S5a

Cat. # A3300, A3301

**Also Known as:** PSMD4;AF; ASF; S5A; AF-1; MCB1; Rpn10; pUB-R5  
**NCBI Reference:** NM\_002810  
**MW (no tag):** 40.7 kDa  
**Species:** Human  
**Source:** Bacterial recombinant  
**Tag:** GST  
**Stock Buffer:** 20 mM Tris, 150 mM NaCl, 2 mM  $\beta$ ME, 10% Glycerol  
**Concentration:** See tube label  
**Quality Assurance:** ~95% by SDS-PAGE

## Image



**Description:** S5a is one of the integral Ub receptors of the 26S proteasome. It's N-terminal vWA domain interacts with Rpn9 and Rpn10 on the 26S proteasome. The C-terminal domain of S5a contains two Ub-interacting motifs (UIMs) that bind Ub and Ub chains. S5a prefers to bind polyUb chains; it also binds proteins containing a Ub-like domain. It may directly recognize ubiquitinated proteins or coordinate with other Ub receptors to target substrates for proteasomal degradation.

**Storage:** Store at  $-80^{\circ}\text{C}$ ; avoid multiple freeze-thaw cycles

**Note:** N/A

**Literature:**

1. Deveraux Q, *et al.* (1994) J Biol Chem 269(10), 7059 – 7061.
2. Beal R, *et al.* (1996) Proc Natl Acad Sci 93(2), 861 – 866.
3. Chen L, *et al.* (2002) Mol Cell Biol 22(13), 4902 – 4913.
4. Wang Q, *et al.* (2005) J Mol Biol 348, 727–739.

