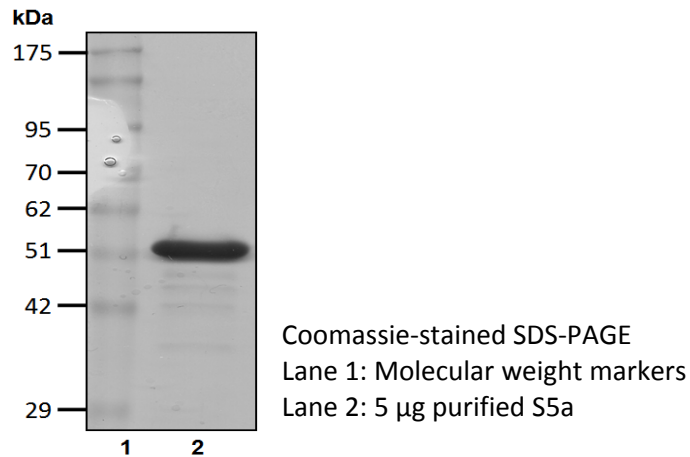


S5a

Cat. # A3310, A3311

Also Known as:	PSMD4;AF; ASF; S5A; AF-1; MCB1; Rpn10; pUB-R5
NCBI Reference:	NM_002810
MW (no tag):	41.7 kDa
Species:	Human
Source:	Bacterial recombinant
Tag:	No
Stock Buffer:	20 mM Tris, 150 mM NaCl, 2 mM β ME, 10% Glycerol
Concentration:	See tube label
Quality Assurance:	~90% 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°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.

