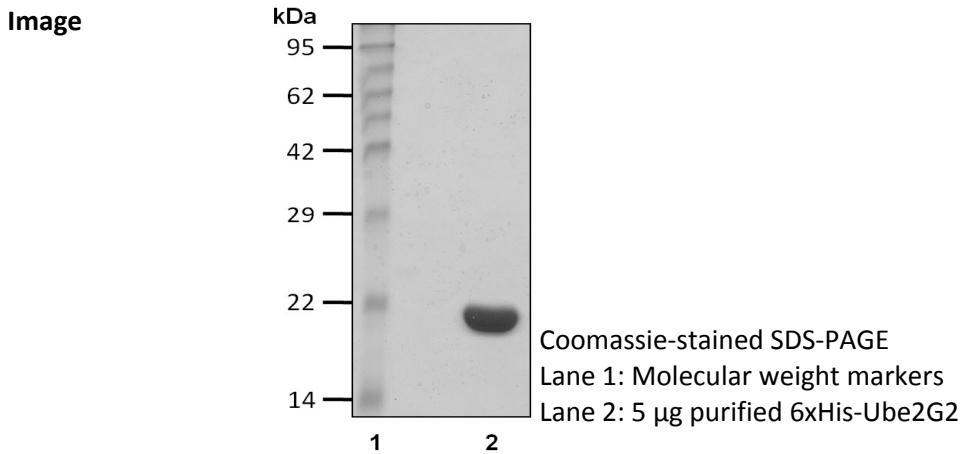


6xHis-Ube2G2

Cat. # C2300, C2301

Also Known as:	UBC7
NCBI Reference:	NM_003343
MW (no tag):	18.6 kDa
Species:	Human
Source:	Bacterial recombinant
Tag:	6xHis
Stock Buffer:	20 mM Tris, 150 mM NaCl, 2 mM βME, 10% Glycerol
Concentration:	See tube label
Quality Assurance:	~95% by SDS-PAGE



Description:	Ube2G2 is an E2 enzyme, which is part of the E1, E2, and E3 cascade responsible for ubiquitination of protein substrates. It has been shown to complex with the E3 ligase called GP78 to catalyze K48 – linked Ub chains. This is an endoplasmic reticulum (ER) associated system to help degrade misfolded ER proteins. Ube2G2 likely interacts with Parkin (an E3 ligase that causes autosomal recessive juvenile Parkinsonism) to ubiquitinate and degrade insoluble Pael receptors.
Storage:	Store at -80°C; avoid multiple freeze-thaw cycles
Note:	N/A
Literature:	<ol style="list-style-type: none"> Katsanis N, <i>et al.</i> (1998) Genomics 51(1), 128 – 131. Imai Y, <i>et al.</i> (2001) Cell 105(7), 891 – 902. Arai R, <i>et al.</i> (2006) Acta Crystallogr Sect F Struct Biol Chryst Commun 62(Pt 4), 330 – 334. Li W, <i>et al.</i> (2007) Nature 446, 333-7.

