

## Active Recombinant Human UBE2G2 Protein, His-tagged

Cat. No. UBE2G2-532H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human UBE2G2 (Accession # NP_003334), fused with an N-terminal 6-His tag, was produced in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Form</b>	X mg/ml (X $\mu$ M) in 50 mM HEPES pH 7.5, 100 mM NaCl, 10% Glycerol (v/v), 1 mM TCEP
<b>Bio-activity</b>	Recombinant Human His6-UBE2G2 is a member of the Ubiquitin-conjugating (E2) enzyme family that receives Ubiquitin from a Ubiquitin-activating (E1) enzyme and subsequently interacts with a Ubiquitin ligase (E3) to conjugate Ubiquitin to substrate proteins. Reaction conditions will need to be optimized for each specific application. We recommend an initial Recombinant Human His6-UBE2G2 concentration of 0.1-1 $\mu$ M.
<b>Molecular Mass</b>	Recombinant Human UBE2G2, His-tagged has a calculated MW of 20 kDa.
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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## GENE INFORMATION

<b>Gene Name</b>	UBE2G2 ubiquitin-conjugating enzyme E2G 2 [ Homo sapiens ]
<b>Official Symbol</b>	UBE2G2
<b>Synonyms</b>	UBE2G2; ubiquitin-conjugating enzyme E2G 2; ubiquitin conjugating enzyme E2G 2 (homologous to yeast UBC7) , ubiquitin conjugating enzyme E2G 2 (UBC7 homolog, yeast); ubiquitin-conjugating enzyme E2 G2; UBC7; ubiquitin-protein ligase G2; ubiquitin carrier protein G2; ubiquitin conjugating enzyme 7; ubiquitin conjugating enzyme G2; ubiquitin-conjugating enzyme E2G 2 (UBC7 homolog, yeast); ubiquitin-conjugating enzyme E2G 2 (homologous to yeast UBC7);
<b>Gene ID</b>	7327
<b>mRNA Refseq</b>	NM_001202489
<b>Protein Refseq</b>	NP_001189418
<b>MIM</b>	603124
<b>UniProt ID</b>	P60604
<b>Chromosome Location</b>	21q22.3

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