Recombinant Human CUL3/RBX1, GST-tagged

Cat. No. CUL3-240H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CUL3/RBX1(a.a: CUL3: 2-768(end); Rnx1: 1-108(end)) fused with GST tag at N-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	2-768;1-108 a.a.
Description	Complex of human cullin-3 (CUL3) with human RING box protein 1 (Rbx1), also known as E3 ubiquitin-protein ligase RBX1. CUL3 (a.a. 2-768(end) with N-terminal GSTtag, 117 kDa) is co-expressed with Rbx1 (a.a. 1-108(end), 12 kDa) in a baculovirus infected Sf9 cell expression system. GenBank Accession Nos. are NM_003590 (CUL3) and NM_014248 (Rbx1).
Form	40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 0.04% Tween-20, 20% glycerol, and 1.6 mM glutathione.
Molecular Mass	CUL3: 117 kDa; Rbx1: 12 kDa
Purity	Purity: ≥72% (CUL3: 66%; RBX1: 6%)
Applications	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Stability	At least 6 months at –80 centigrade. Avoid freeze/thaw cycles. Storing diluted

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	enzyme is not recommended, if necessary, use carrier protein (BSA 0.1– 0.5%).
Storage	At least 6 months at -80 centigrade
Concentration	0.13 mg/ml
Warning	Avoid freeze/thaw cycles. Storing diluted enzyme is not recommended, if necessary, use carrier protein (BSA 0.1 – 0.5%).

GENE INFORMATION

Gene Name	CUL3 cullin 3 [Homo sapiens]
Official Symbol	CUL3
Synonyms	CUL3; cullin 3; cullin-3; CUL-3; PHA2E; FLJ25665;
Gene ID	8452
mRNA Refseq	NM_003590
Protein Refseq	NP_003581
MIM	603136
UniProt ID	Q13618
Chromosome Location	2q36.2
Pathway	ATF-2 transcription factor network, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination and

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	Proteasome degradation, organism-specific biosystem; Aurora B signaling, organism-specific biosystem; Canonical Wnt signaling pathway, organism-specific biosystem; Class I MHC mediated antigen processing & amp;
Function	cyclin binding; protein binding; ubiquitin protein ligase binding; contributes_to ubiquitin-protein ligase activity;

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