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Zuschläge

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- Trockeneiszuschlag
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Hrd1, SUMO-His-tags Recombinant

Catalog: 81051
Lot: 240501

Product Information

Description:	Recombinant human Hrd1 encompassing amino acids 236-617. The construct contains an N-terminal His-SUMO-Tag. The protein was affinity purified and is active.
Background:	Hrd1 is a RING domain E3 ligase that is involved in the conjugation of ubiquitin to target substrates. Hrd1 has been demonstrated to function with the E2 enzymes UBE2D3 (UbcH5c) and UBE2G2 in vitro. Hrd1 is an ER-associated ligase involved in ERAD and has been linked to rheumatoid arthritis. It is present in human rheumatoid synovial cells and found to be a causative factor for arthropathy in in vivo studies. Hrd1 is also found in brain neurons and its proper regulation may be linked to neurodegenerative diseases. This construct is a Hrd1 N-terminal deletion containing residues 236-617 consisting of the complete C-terminal cytoplasmic portion. The N-terminal transmembrane spanning portion has been deleted. This Hrd1 N-terminal deletion mutant is active as an E3 ligase containing the RING and substrate recognition domains.
Species:	Human
Construct:	Hrd1 (His-SUMO-236-617)
Expression System:	*E. coli*
Purity:	≥80% by SDS-PAGE
Format:	Aqueous buffer solution.
Uniprot:	Q86TM6
MW:	49.3 kDa
Stability:	At least 6 months at -80°C.
Storage:	-80°C
Instructions for Use:	Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles.
Assay Conditions:	Typical enzyme concentration 20 nM - 1 µM is used for in vitro conjugation depending on assay conditions.
Applications:	Useful for the study of enzyme kinetics.