His_6SUMO-UBE2T

Cat. # UB219T

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Background UBE2T mediates the transfer of ubiquitin from a ubiquitin-activating enzyme (E1) to a substrate protein or an E3 ligase. This E2 enzyme is essential for the Fanconi anemia pathway. UBE2T's conjugating activity is specifically involved in the monoubiquitination of FANCD2, in cooperation with the E3 ligase FANCL.

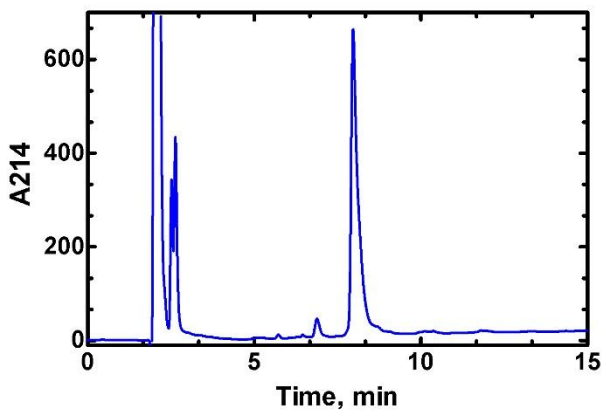
Alternate Names Ubiquitin-Conjugating Enzyme E2 T, Cell Proliferation-Inducing Gene 50 Protein, HSPC150, FANCT, PIG50

Application(s) Ubiquitin ligation reactions

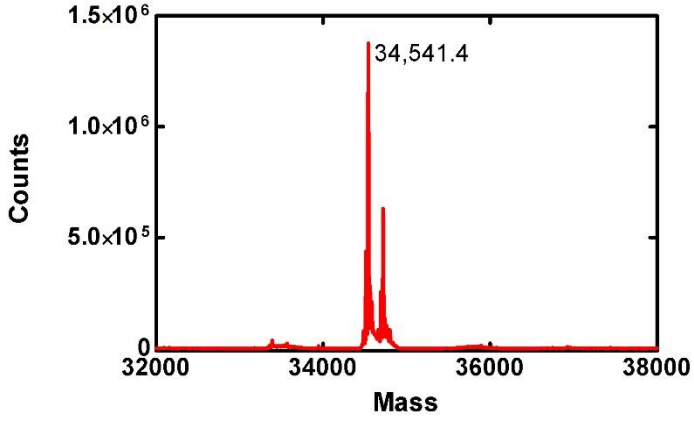
Product Specifications

Tag	His_6-SUMO
Purity	> 80% by RP-HPLC
Molecular Weight	34,540.3 Da
Quantity	20 µl or 75 µl of a 40 µM solution (0.8 and 3 nmoles, respectively)
Species	Human, Accession No. Q9NPD8
Expression System	*E. Coli*
Physical State	Liquid
Buffer	25 mM Tris, pH 7.4; 150 mM NaCl; 10 mM DTT; 10% glycerol
Solubility	> 3 mg/ml
Stability & Storage	1 year at -80° C. Avoid repeated freeze/thaw cycles

Product QC



RP-HPLC



Deconvoluted mass spectrum

References

1. Machida YJ., et al., Mol Cell. 2006;23(4):589-96.
2. Rickman KA., et al., Cell Rep. 2015;12(1):35-41.