

## *Division of Signal Transduction Therapy*

### **Standard Operation Procedure**

#### **Preparation of His-Halo-SLX4 BTB domain [C296A, C299A]**

**Enzyme description:-** SLX4 270-380 [C296A, C299A]

**Clone number:-** DU45601

**Source:-** bacteria

**Tag:-** N-terminal His-Halo-

**Purification method:-** Ni<sup>++</sup>-Sepharose

**Expression level:-** 0.8 mg/L

**Calculated molecular mass:-**

Monoisotopic

Average Mass

[cysteines reduced, methionines have not been oxidised]

**Theoretical pI:-**

**Purity:-** 30% (contaminant is free tag)

**Enzyme storage buffer:-**

50 mM HEPES pH 7.5, 10% glycerol, 150mM NaCl, 1mM DTT

**Storage temperature:-** -80°C

**Assay:-**

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**Clone Data Sheet**

**Protein name His-Halo-SLX4 aa 270-380 [C296A C299A]**

<b><u>Protein</u></b>	His-Halo-SLX4 BTB domain [C296A, C299A]
<b><u>Synonyms</u></b>	BTBD12, FancP, Mus312
<b><u>Clone Number</u></b>	DU45601
<b><u>Species</u></b>	human
<b><u>Accession Number</u></b>	DNA: NM_032444
<b><u>Tags</u></b>	N-terminal His-Halo-
Aminoacid sequence of the expressed protein	MHHHHHMAEIGTGFPDPHYVEVLGERMHYVDVGPRDGTPLVFLHGNPTS SYVWRNIIPHVAPTHRCIAPDLIGMGKSDKPDLYFFDDHVRFMDAFIEAL GLEEVVLVIHDWGSALGFHWAKRNPERVKGIAFMEFIRPIPTWDEWPEFAR ETFQAFRTTQVGRKLIIDQNVFIEGTLPMGVVRPLTEVEMDHYREPFLNPV DREPLWRFPNELPIAGEPANIVALVEEYMDWLHQSPVPKLLFWGTPGVLIIP PAEAARLAKSLPNCKAVDIGPGLNLLQEDNPDLIGSEIARWLSTLEISGEN <u>LYFQGGSM</u> <b>LTQQEFARVGASAHDDSLEEKGLFFAQIAQKNLSAMNVTRRE</b> <b>QHVNRCLDEAEKTLRPSVPOIPECPICGKPFLLTKSRTSHLKQCAVKMEVG</b> <b>PQLLLQAVRLQTAQPEG</b>
Native sequence	in bold
Protease cleavage	TEV protease site underlined
<b><u>DNA sequence of the expression cassette</u></b>	