

Division of Signal Transduction Therapy

Standard Operation Procedure

Preparation of His-Halo-SLX4 BTB domain monomer

Enzyme description:- SLX4 270-380 monomer = BTB domain

Clone number:- DU45600

Source:- bacteria

Tag:- N-terminal His-Halo-

Purification method:- Ni⁺⁺-Sephadex

Expression level:- 0.7 mg/L

Calculated molecular mass:-

Monoisotopic 48071

Average Mass 48100

[cysteines reduced, methionines have not been oxidised]

Theoretical pI:- 5.46

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 BTB domain monomer

<u>Protein</u>	His-Halo-SLX4 (270-380) BTB domain monomer
<u>Synonyms</u>	BTBD12, FANCP, MUS312
<u>Clone Number</u>	DU45600
<u>Species</u>	human
<u>Accession Number</u>	DNA: NM_032444
<u>Tags</u>	N-terminal His-Halo-
Aminoacid sequence of the expressed protein	MHHHHHMAEIGTGFPDPHYVEVLGERMHYVDVGPRDGTPLFLHGNPTS SYVWRNIIPHVAPTHRCIAPDLIGMGKSDKPDLYFFDDHVRFMDAFIEAL GLEEVVLVIHDWGSALGFHWAKRNPERSVKGIAFMFIRPIPTWDEWPEFAR ETFQAFRTTQVGRKLIIDQNVFIEGTLPMGVVRPLTEVEMDHYREPFLNPV DREPLWRFPNELPIAGEPANIVALVEEYMDWLHQSPVPKLLFWGTPGVLIIP PAEAARLAKSLPNCKAVDIGPGLNLLQEDNPDIGSEIARWLSTLEISGEN <u>LYFQGGSM</u> LTQQEFARV GASAHDDSLEEKGLFFCQICQKNLSAMNVTRRE QHVNRCLDEAEKTLRPSVQIPECPICGKPFLLTKSRTSHLKQCAVKMEVG PQLLLQAVRLQTAQPEG
Native sequence	in bold
Protease cleavage	TEV protease site underlined
<u>DNA sequence of the expression cassette</u>	