

INSTRUCTIONS

37ExpressVue® Rapid Tests

DYKDDDDK Tag Positive Control, Cat # 915201-001

DYKDDDDK tag is frequently used as an epitope tag to facilitate recombinant protein expression, identification and purification. It is also commonly referred as the FLAG tag.

The DYKDDDDK tag positive control is a MBP protein with the epitope tag fused at the c-terminus and expressed in e.coli. The positive control is supplied at 100ug/ml in PBST (PBS + 0.1% Triton X100) with 0.1% BSA as a stabilizer.

To test the control protein with the 37ExpressVue® Rapid Tests, make 1:3 serial dilutions of the control protein with PBST + 0.1% BSA. Use about 120ul of the diluted sample for each test strip. In the negative sample, four visible red lines will appear after the reaction (10 to 20 minutes). The T1, T2 and T3 test lines will disappear as the tagged protein concentration increases, with T1 disappearing at about **4ug/ml**, T2 disappearing at about **12ug/ml**, and T3 disappearing at about **60ug/ml**. Users should determine the correlation between the signal and the concentration of the tagged protein under user's experimental conditions (such as buffer component and pH).



Related Materials (sold separately)

37ExpressVue® DYKDDDDK Rapid Tests: Cat # 115200-020, 115200-050, 115200-096

37ExpressVue® DYKDDDDK -His Double Tag Rapid Tests: Cat # 115201-020, 115201-050, 115201-096

Storage and Stability

The positive control proteins are shipped at ambient. The control protein may be stored at 4°C for one week. Store at -20°C for long term storage. Multiple freeze-thaw cycles should be avoided.