

RPD410Mu01 10µg

Recombinant Dickkopf Related Protein 3 (DKK3)

Organism Species: *Mus musculus* (Mouse)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Pro23~Ile349

Tags: N-terminal His Tag

Subcellular Location: Secreted

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.

Original Concentration: 200µg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 4.7

Predicted Molecular Mass: 39.7kDa

Accurate Molecular Mass: 47kDa as determined by SDS-PAGE reducing conditions.

Phenomenon explanation:

The possible reasons that the actual band size differs from the predicted are as follows:

1. Splice variants: Alternative splicing may create different sized proteins from the same gene.
2. Relative charge: The composition of amino acids may affects the charge of the protein.
3. Post-translational modification: Phosphorylation, glycosylation, methylation etc.
4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.
5. Polymerization of the target protein: Dimerization, multimerization etc.

[USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCE]

		PSPTVTWT	PAEPGPALNY	PQEEATLNEM
FREVEELMED	TQHKLRSAVE	EMAEEEAAAK	TSSEVNLASL	PPNYHNETST
ETRVGNNTVH	VHQEVHKITN	NQSGQVVFSE	TVITSVGDEE	GKRSHECIID
EDCGPTRYCQ	FSSFKYTCQP	CRDQQMLCTR	DSECCGDQLC	AWGHCTQKAT
KGGNGTICDN	QRDCQPLGCC	AFQRGLLFPV	CTPLPVEGEL	CHDPTSQLLD
LITWELEPEG	ALDRPCASG	LLCQPHSHSL	VYMCKPAFVG	SHDHSEESQL
PREAPDEYED	VGFIGEVRQE	LEDLERSLAQ	EMAFEGPAPV	ESLGGEEEI

[IDENTIFICATION]

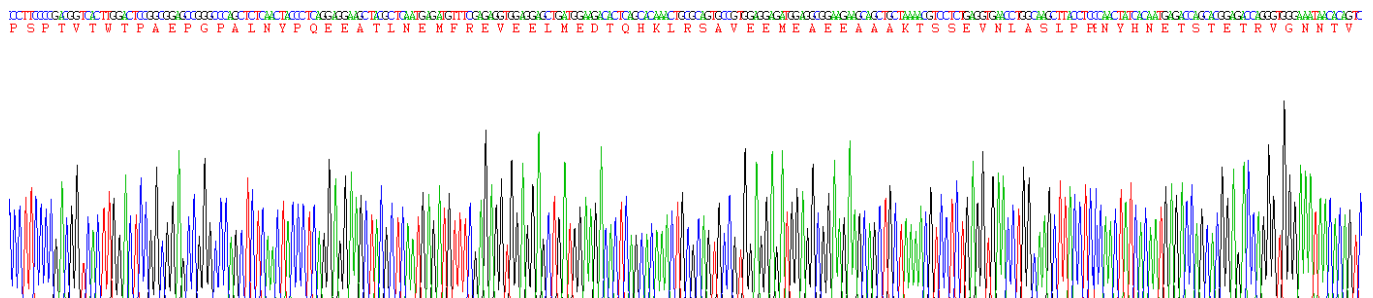


Figure. Gene Sequencing (Extract)

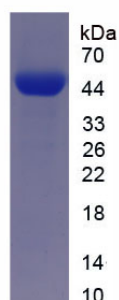


Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.