Division of Signal Transduction Therapy

Standard Operation Procedure

Preparation of TRIAD1 [H158A]

Enzyme description:- TRIAD1 [H158A]

Clone number:- DU20493

Source:- Recombinant

Tag:- cleaved from N-terminal GST

Purification method:- GSH-Sepharose

Expression level:- < 0.1mg/L

Calculated molecular mass:-

Monoisotopic	58126 Da
Average Mass	58162 Da

[cysteines reduced, methionines have not been oxidised]

Theoretical pI:- 5.59

Purity:- 90%

Enzyme storage buffer:-

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

Storage temperature:- -80ºC

Assay:-

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Clone Data Sheet

Protein name TRIAD1 [H158A]

Protein	TRIAD1 [H158A]
Synonyms	ARIH2, Triad domain-containing protein 1 (Drosophila Ariadne homolog 2)
Clone Number	DU20493
Species	Human
Accession Number	Protein: O59376
Tags	cleaved from N-terminal GST
Aminoacid sequence of the expressed protein	**GPLGSMSVDMNSQGSDSNEEDYDPNCEEEEEEEEDDPGDIEDYYVG VASDVEQQGADAFDPEEYQFTCLTYKESEGALNEHMTSLASVLKVS HSVAKLILVNFHWQVSEILDRYKSNSAQLLVEARVQPNPSKHVPTS HPPHHCAVCMQFVRKENLLSLACQAQFCRSCWEQHCSVLVKDGVGV GVSCMAQDCPLRTPEDFVFPLLPNEELREKYRRYLFRDYVESHYQL QLCPGADCPMVIRVQEPRARRVQCNRCNEVFCFKCRQMYHAPTDCA TIRKWLTKCADDSETANYISAHTKDCPKCNICIEKNGGCNHMQCSK CKHDFCWMCLGDWKTHGSEYYECSRYKENPDIVNQSQQAQAREALK KYLFYFERWENHNKSLQLEAQTYQRIHEKIQERVMNNLGTWIDWQY LQNAAKLLAKCRYTLQYTYPYAYYMESGPRKKLFEYQQAQLEAEIE NLSWKVERADSYDRGDLENQMHIAEQRRRTLLKDFHDT**
Native sequence	in bold
Protease cleavage	Prescission protease (RV-3C)
Cloning sites	BamH1 Not1

DNA sequence of the expression cassette

ATGTCCCCTATACTAGGTTATTGGAAAATTAAGGGCCTTGTGCAACCCACT
CGACTTCTTTTGGAATATCTTGAAGAAAAATATGAAGAGCATTTGTATGAG
CGCGATGAAGGTGATAAATGGCGAAACAAAAAGTTTGAATTGGGTTTGGAG
TTTCCCAATCTTCCTTATTATATTGATGGTGATGTTAAATTAACACAGTCT
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