



## IRAK4 (160 - 460) D329A

Long Name:

**Interleukin-1 Receptor-Associated Kinase 4 (IRAK4) [160 - 460]**

Catalog Number (DU Number):

**DU51720**

Accession:

**AAH13316**

Expression

**bacteria**

Terminus and Tag:

**N-Term GST Uncleaved**

Purification Method:

**GSH Sepharose**

Enzymatic Assay Format:

**Standard filter binding assay**

Enzymatic Buffer:

**50 mM Tris-HCl pH 7.5, 0.1 mM EGTA, 0.1 % 2-mercaptoethanol, 10 mM magnesium acetate**

Enzymatic Substrate:

**MBP Final concentration: 0.3 mg/ml**

Calculated Molecular Mass:

**Mono-Isotopic Mass: 60, 416.48 daltons**

**Average Mass: 60, 455.43 daltons**

Protein Activity:

**Kinase/Ligase/DUB Dead**

Purity:

**>80 %**

Storage Buffer:

**50 mM Tris-HCl pH 7.5, 270 mM Sucrose, 150 mM NaCl, 0.1 mM EGTA, 0.1 % 2-mercaptoethanol, 0.02 % Brij-35, 1 mM benzamidine, 0.2 mM PMSF**

Storage Temperature:

**-70 °C**

Theoretical pI:

**5.38**

Gel Information :  
**Please Enquire**

Native Sequence:

**Amino acids V160 – S460 (end) of human IRAK4. Residue V232 of the fusion protein is equivalent to V160 of the native enzyme. The GST tag is located at residues 1 – 220. The enzyme has a D329A mutation, which produce a kinase dead enzyme. Residue D168A is equivalent to A401 of the fusion protein**

Protease Cleavage:

**PreScission (LEVLFGQP) residues 221 - 228**

Cloning Sites:

**BamH1 and Not1 sites of pGEX6P-1**

Price per aliquot (100µg):

**£110.00**