



## DYRK2 (3 - 528)

Catalog Number (DU Number):

**DU653**

Accession:

**NM\_003583**

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 % 2mercaptoethanol, 0.1 mM EGTA, 10 mM MgAc**

Enzymatic Substrate:

**WOODtide [KKISGRLSPIMTEQ] Final concentration: 500  $\mu$ M**

Calculated Molecular Mass:

**Mono-Isotopic Mass: 86, 533.48 daltons**

**Average Mass: 86, 589 daltons**

Protein Activity:

**Constitutively Active**

Purity:

**>75 %**

Storage Buffer:

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

Storage Temperature:

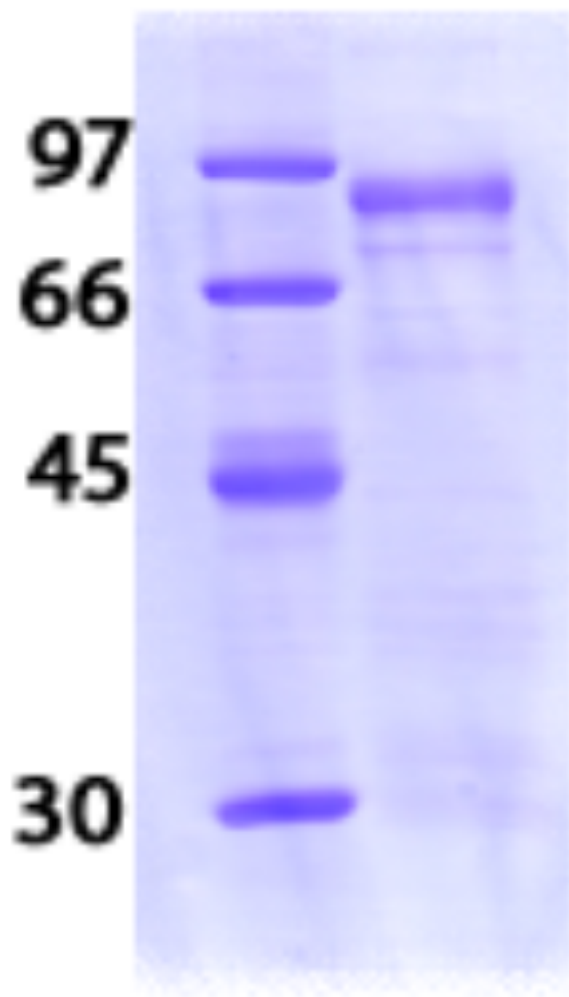
**-20 °C**

Theoretical pI:

**9.19**

Gel Information :

**Gel Image 1:**



Native Sequence:

**Amino acids D3 – S528 (end) of human DYRK2. Residue D235 of the fusion protein is equivalent to D3 of the native enzyme. The GST tag is located at residues 1 - 220.**

Protease Cleavage:

**Thrombin (LVPRGS) at residues 221 – 226**

Cloning Sites:

**BamH1 and EcoR1 site of pGEX4T-1**

Price per aliquot (100µg):

**£110.00**