

## Recombinant Human DYRK1A (aa 127-485), tag free

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### DESCRIPTION

<b>Protein name:</b>	Dual specificity tyrosine-phosphorylation-regulated kinase 1A
<b>Uniprot-ID:</b>	Q13627
<b>Origin:</b>	Human
<b>Source:</b>	<i>Escherichia coli</i>
<b>Synonyms:</b>	DYRK, MNB, MNBH
<b>Tag:</b>	Tag free
<b>Grade:</b>	Crystallography grade (crystallized <i>in house</i> )
<b>Product Description:</b>	Recombinant DYRK1A (human) was produced in <i>Escherichia coli</i> . The expressed protein with an N-terminal cleavable poly His-tag was purified by a chromatographic procedure comprising an affinity purification, tag removal and size exclusion chromatography.

### SPECIFICATION

<b>Storage Buffer:</b>	20 mM HEPES, 500 mM NaCl, 5mM DTT, pH 7.5
<b>Purity:</b>	>95 % as determined by SDS-PAGE
<b>Molecular weight:</b>	44.4 kDa
<b>Construct:</b>	<u>SM-DYRK1A (S127-E485)</u>

**Sequence:**

SMSSHKKERKVYNDGYDDDDNYDYIVKNGEKWMDRYEIDSLIGKGSFGQVVKAYDRVE  
QEWVAIKIINKKKAFLNOAOIEVRLLELMNKHDTMYYIVHLKRHFMRNHLCLVFE  
MLSYNLYDLLRNTNFRGVSLLNLRKFAQQMCTALLFLATPELSIIHCDLKPENILLCNP  
KRSAIKIVDFGSSCOLGORIYOYIOSRFYRSPEVLLGMPYDLAIDMWSLGCILVEMHTGE  
PLFSGANEVDOMNKIVEVLGIPPAHILDOAPKARKFFEKLPDGTWNLKTKDKGREYK  
PPGTRKLHNILGVETGGPGGRRAGESGHTVADYLFKFDLILRMLDYDPKTRIQPYALQ  
HSFFKKTAE

**Storage:** Product shipped in dry ice and should be stored at -80 °C.  
Thaw rapidly and store on ice during use. Avoid repeated freeze-thaw cycles.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

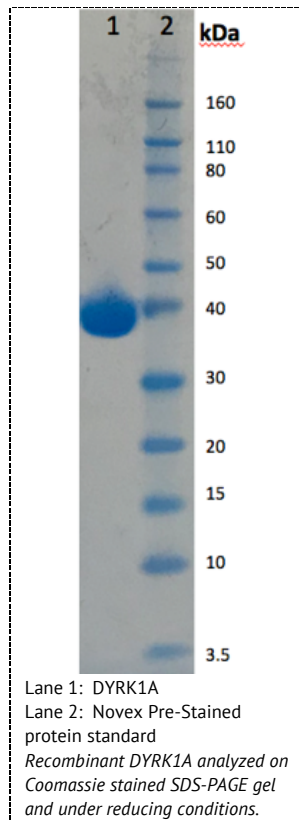
## QUALITY CONTROL

The quality of the protein was assessed by:

**Size exclusion chromatography:** No aggregation

**Differential scanning fluorimetry (T<sub>m</sub>):** 48 °C

**SDS-PAGE:**



## Protein Crystal:

