

例題 3.5

Pfam でチロシンキナーゼの配列 (UniProtKB: [SRC HUMAN](#)) を入力として実行し、ドメインの構成を確認せよ。

解答

1. InterPro のトップページの「Search by sequence」または「Search」のタブから入力する。

InterPro Classification of protein families

Home Search Browse Results Release notes Download Help About

InterPro 85.0
8 April 2021

Citing InterPro

You can see the special page created to compile all the information for:SARS-CoV-2.

Search by sequence Search by text Search by Domain Architecture

Sequence, in FASTA format

```
> seq1
MGSNKSFKPKDASQRRRSLLEPAENVHGAGGGAFFASQTFSKPSADGHRGSPSAAFAPAAAE
PKLFGGFNSDVTISQRAAGPLAGGVITFVALYDYESRTETDLSFKKGERLQIVNTEGD
WNLHLSLSTGQTYIFSNVYVAFSDSIQAEEWYFGKITRRESERLLNENFRGTFILVRES
ETTKGAYCLSVSDFDNAKGLNVKHYKIKRLDSGGFYIISRTQFNSLQQLVAVYSKHADGL
CHRLITVCPTRKRFQQLAKDANEIPRESLRLEVLQGGQCFGEVVMGTWHTTRVAIKIL
KFGTMSPEAFLEQAQVMKKLAKHEKLVQLYAVVSEEFYIVTEVMSKGSLLDFLNGETGKY
LRLPLQVMDAAQIASGMAYVERMNYVHRDLRAANILVGENLVCKVADFGLARLIEDNEYT
ARQGAFFIKWTAPEAALYGRFTIKSDVWSFGILLTELTKGRVYFPGVNVREVLQVER
GYRMECPPECFESLHDLMCQWRKEPEERPTFEYLQAFLEDYFTSTEPQYQPGENL
```

Valid Sequence. ✓

Choose file Example protein sequence

Advanced options

Search Clear

チロシンキナーゼ SRC のアミノ酸配列を入力して、「Search」を押す

検索結果

Entry matches to this protein

50 100 150 200 250 300 350 400 450 500 536

200 400

ドメイン構成

スーパーファミリーの情報

結合部位と活性部位

PF: Pfam
PS: PROSITE
SSFS: Superfamily
PR: Print
SM: SMART
G3DSA: CATH Superfamily

IPR000980
PF00017
SM00252
PRO0401
PS50001
IPR001452
SM00326
PF00018
PRO0452
PS50002
IPR020635
SM00219
IPR001245
PRO0109
PF07714
IPR000719
PS50011

IPR036860
SSF55550
G3DSA:3.30.505.10
IPR011009
SSF56112
IPR036028
SSF50044

IPR008266
PS00109

IPR017441
PS00107

cd10365
Autoinhibitory site
Hydrophobic binding pocket
Phosphotyrosine binding pocket
ntub7.4.110