

ProKinOEntity

DbXref

* hasDbXref *

PhysicalEntity

Organism

Clade

Structure

Sequence

Disease

Mutation

SubDomain

FunctionalFeatures

hasCterminus

hasNterminus

includes

* presentIn *

* isPartOf *

* isPartOf *

* hasProteinStructure *

* hasSequence *

* associatedWith *

* implicatedIn *

* hasMutation *

hasFunctionalFeature

OtherEntity

CatalystActivity

ProteinKinaseDomain

FunctionalDomain

Gene

* hasFunctionalDomain *

* codedBy *

* participatesIn *

* hasReaction *

* precededByReaction *

* precededByPathway *

* hasParentPathway *

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* includes *

consumes

produces

hasCatalyst

ComplexMutation

DeletionMutation

InsertionMutation

OtherMutation

SubstitutionMutation

These Mutation classes have additional, more specific sub-classes (not shown here).

BetweenSubDomains

SubDomainI

SubDomainIII

SubDomainX

SubDomainXI

Cterminus

Nterminus

AGC

Atypical

CAMK

Axl

CMGC

PKL

RGC

STE

TK

TKL

CK1

Other

Protein Kinase Group SubClasses

These ProteinKinase Group sub-classes have ProteinKinase Family as their next level sub-classes (not pictured here). Also not pictured are the ProteinKinase SubFamily classes, which form the next level sub-classes below the ProteinKinase Family classes.

Legend:

- Main Classes
- SubClasses Level 1
- SubClasses Level 2
- SubClasses Level 3
- Class Generalization
- Object Properties