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## Scan for evolutionary conserved phosphorylation sites - Result

## Scan properties

ORTHOLOGY DATABASE	SwissProt Orthology
PROTEIN DATABASE	UniProtKB/Swiss-Prot
PROTEIN / GENE IDENTIFIER	PARK7_HUMAN
SITE PREDICTION STRINGENCY	Minimum
SEQUENCE ALIGNMENT RADIUS	40
MOTIF GROUP	Basophilic serine/threonine kinase group
SITE POSITION IN QUERY PROTEIN	124

## Scan result properties

NUMBER OF ORTHOLOGOUS PROTEINS	8
NUMBER OF ORTHOLOGOUS PROTEINS WITH CONSERVED PHOSPHORYLATION SITE	8
EVOLUTIONARY CONSERVATION OF PHOSPHORYLATION SITE	100%

## Orthologous proteins

Warning: Popup blockers may disable the links in the result table

▼ Protein ID	Protein Annotations	Molecular Weight	Isoelectric Point	Motifs at expected sites
<a href="#">PARK7_RAT</a>	RecName: Full=Protein/nucleic acid de (click to expand)	19976.857	6.323	<a href="#">Akt_Kin</a>
<a href="#">PARK7_MOUSE</a>	RecName: Full=Protein/nucleic acid de (click to expand)	20023.990	6.320	<a href="#">Akt_Kin</a>
<a href="#">PARK7_MESAU</a>	RecName: Full=Protein/nucleic acid de (click to expand)	19917.729	6.326	<a href="#">Akt_Kin</a>
<a href="#">PARK7_HUMAN</a>	RecName: Full=Protein/nucleic acid de (click to expand)	19893.738	6.329	<a href="#">Akt_Kin</a>
<a href="#">PARK7_DANRE</a>	RecName: Full=Protein/nucleic acid de (click to expand)	19766.584	5.838	<a href="#">Casn_Kin1_Hrr25_Yck1_Yck2_Yck3</a>
<a href="#">PARK7_CHLAE</a>	RecName: Full=Protein/nucleic acid de (click to expand)	19907.764	6.329	<a href="#">Akt_Kin</a>
<a href="#">PARK7_CHICK</a>	RecName: Full=Protein/nucleic acid de (click to expand)	19945.846	6.325	<a href="#">1433_m1_Akt_Kin_phosphosite-PKCA</a>
<a href="#">PARK7_BOVIN</a>	RecName: Full=Protein/nucleic acid de (click to expand)	20037.995	6.841	<a href="#">Akt_Kin</a>
Protein ID	Protein Annotations	Molecular Weight	Isoelectric Point	Motifs at expected sites

# Sequence alignment

PARK7_BOVIN	Bos taurus (Bovine)	SAAVKEILKEQEKRRGLIAAICAGPTALLAH	EIFGFSKVTI	THPLAKDKMMNGSHYSYSEN	NRVEKDG	LILTSRGP	TSFEF
PARK7_CHICK	Gallus gallus (Chicken)	SAAVKDILKQESRRGLIAAICAGPTALLAH	GIFGFSKVTI	THPLAKDKMMNGAHYCYSE	SRVEKDG	NILTSRGP	TSFEF
PARK7_CHLAE	Chlorocebus aethiops (Green monkey) (Cercopithecus aethiops)	SAAVKEILKEQENRKG	LIAAICAGPTALLAH	EIFGFSKVTI	THPLAKDKMMNGGHY	TYSEN	NRVEKDG
PARK7_DANRE	Danio rerio (Zebrafish) (Brachydanio rerio)	SPAVKEVLKQDEGR	KGLIAAICAGPTALLAH	GIFGFSKVTI	THPGAKDKMMAGDHY	KYSEARVQ	KDGNVIT
PARK7_HUMAN	Homo sapiens (Human)	SAAVKEILKEQENRKG	LIAAICAGPTALLAH	EIFGFSKVTI	THPLAKDKMMNGGHY	TYSEN	NRVEKDG
PARK7_MESAU	Mesocricetus auratus (Golden hamster)	SPVVKEILKEQESR	KGLIAAICAGPTALLAH	EIFGFSKVTI	THPGAKDKMMNGSHYSYSE	SRVEKDG	LILTSRGP
PARK7_MOUSE	Mus musculus (Mouse)	SPMVKEILKEQESR	KGLIAAICAGPTALLAH	EVFGFSKVTI	THPLAKDKMMNGSHYSYSE	SRVEKDG	LILTSRGP
PARK7_RAT	Rattus norvegicus (Rat)	SALVKEILKEQENR	KGLIAAICAGPTALLAH	EVFGFSKVTI	THPLAKDKMMNGSHYSYSE	SRVEKDG	LILTSRGP

