

Sequence alignment of various species showing the Trans-membrane domain and Cytoplasmic domain. The alignment highlights conserved regions with color-coded boxes.

The alignment shows the following sequence for each species:

- Human: TMTSWIVIFFLPVNSALNPILYTLTTNFFKDKLKQOLLHKHQRKSIFKIKKKSLSTSIVWIEDS-SSLKLGVLNKITLGDSIMKPVS\*
- Chimp: TMTSWIVIFFLPVNSALNPILYTLTTNFFKDKLKQOLLHKHQRKSIFKIKKKSLSTSIVWIEDS-SSLKLGVLNKITLGDSIMKPVS\*
- Cow: TITSWVVIFFLPVNSALNPILYTLTTSFFKDKLKQOLLHKHRRKSIFKTKKKSVSTSIMWADDS-SALKPGALSKINLEDNIVKPIS\*
- Mouse: TITSWIVVFFFLPVNSALNPILYTLTTSFFKDKLKQOLLHKHRRKPIFKVKKKSLSASIVWTDES-S-LKLGVLSKIALGDSIMKPVSP\*
- Naked mole rat: TITSWIVIFFLPVNSALNPILYSLTTSFKDKLKQOLLHKHRRKSIFQIHKRQF-IYIHCVDR\*
- Shrew: TITSWIVVFFFLPVNSALNPILYTLTTSFFKENFKQOLLHKH\*
- Aardvark: TITSWVVIFFLPVNSALNPVLYTLTTSLFKDKLKQOLLHTHHGKPMFKTKNKRVSTSLVWAEDS-SSLKLGVLSKITLGDDVRKPPPY\*
- Cape golden mole: TLTSWMVIFFLPVNSALNPILYMLTTSLFKDKLKQOLLNKPYRMSVSKTKK-SINAHCVDRS---LRIT\*
- Manatee: TITSRIVIFFLPVNTALNPILYTFNNFFKDKLKQOLLCKHHRKSTFKMKKKSI--SVHRVGRRRLPSLTGVLKR\*
- Elephant: TITSWIVIFFLPVNSALNPVLYTLTTSLFKDKVIQLLHKHRGKSIFKMKKKCI--SVHCVGR\*
- Armadillo: TITSWIVIFFLPVNSALNPILYTLTTSVFKDKLKQOLLHKHRRKSIFRTKKKSLSTSIVCTDDS-S-LKLGVLNKITLGTI\*

Trans-membrane domain: The first 20 positions of each sequence.

Cytoplasmic domain: The remaining positions of each sequence.

Trans-membrane domain

Cytoplasmic domain