



# Recombinant *Xenopus tropicalis* Iroquois-class homeodomain protein irx-4 (irx4)

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>      | CSB-EP718068XBF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Abbreviation</b>      | irx4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.                                                                                                                                                                                                                                                                                                       |
| <b>Uniprot No.</b>       | Q688D0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Immunogen Species</b> | <i>Xenopus tropicalis</i> (Western clawed frog) ( <i>Silurana tropicalis</i> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Sequence</b>          | MSYPQFGYPY SSTPQFLMTT NSLSTCCCESS GRSLSDSAAA ASAQTPVYCP<br>VYESRLLATA RHELNSAAAL GVGSPYTST QGYGNYVTYG ADASAFYSLN<br>AFESKDGTGS AHAGIPQTAA YYPYEHTLSQ YQYDRYGTMD GSTRRKNATR<br>ETTSTLKAWL QEHRKNPYPT KGEKIMLAI TKMTLTQVST WFANARRRLK<br>KENKMTWPPR NKCSDEKRPY DEEEEEEEEE DSQKATIKNE KKIVDEEVAR<br>EDKALDLSL EDFDAIESES SECCLKQPFH HQPQDGHQLR QRDCVNDHCK<br>DVILKMPITP AANQELDRTK ICHKPGVDQC EQEVLGRGR GGESKACFQQ<br>QQILDSKPRI WSLAHTATSL NQTEYPSCML KHQGLSSPSS SSSSSAVSTP<br>VCVIDRRQDS PVTSLRNWVD GVFDHPLFRH STLNQALTNT TVSWATTKGT<br>LIDSGSLGRS VGNPTNAIKG QLPNIHDTN KEFIAFQKSG SKMFCS |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Target Names</b>      | irx4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Protein Names</b>     | Recommended name: Iroquois-class homeodomain protein irx-4 Alternative name(s): Iroquois homeobox protein 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Expression Region</b> | 1-496                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Protein Length</b>    | full length protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.                                                                                                                                                                              |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life                                                                                                                                                                                                                                                                                                                                                        |



of lyophilized form is 12 months at -20°C/-80°C.