

# Recombinant FSH (Danio rerio, single chain)

Catalog UCF001  
100 mg  
Lot A00017

## Product description

The pituitary glycoprotein hormone family includes follicle-stimulating hormone, luteinizing hormone, chorionic gonadotropin, and thyroid-stimulating hormone. All of these glycoproteins consist of an identical alpha subunit and a hormone-specific beta subunit that confers biological specificity.

Reference sequences: NM\_205624.1 and NM\_205687  
NP\_991187 and NP\_991250  
Swiss-prot Q6TCF7 and Q6QX43

Alternative names: follitropin subunit beta precursor  
follitropin subunit alpha precursor

Gene ID: 402919 and 402987

This protein is encoded by a fusion of the mature follitropin subunit beta (residues 17 - 130) and glycoprotein hormones alpha chain (residues 24 - 117) linked by a (gggs)<sub>4</sub> peptide (Nature, 2005, vol 433, 269-277). It contains a N-terminal Strep-tag. The protein was over-expressed in HEK293EBNA1 cells and purified to homogeneity (figure 1). The calculated molecular weight of recombinant Danio rerio FSH is 27.9 kDa. Each vial contains 100 µg FSH at a concentration of 0.98 mg/ml.

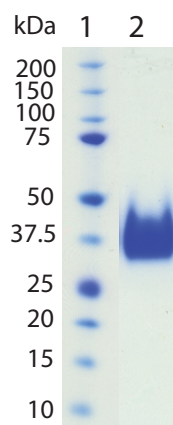
## Protein sequence

marplctllllmatlagalag**gswshpqfekgswshpqfekgswshpqfekgs**aesecrcsrltnisitseecgscvtidttacaglcwtdmrvypssmaqhtqkvcnfl  
nlmyksyefkgcpagvdsfvypvalscenqvnsttdwgaispqttsctsihgsgggsgggsgggysrndvsnygceeklkmmnerfskpgapvyqcvgccfsray  
ptplrskktmlvpknitseatccvakeskmvatniplnhtdchcstcyhks

The Strep-tag is shown in red.

## Storage and stability

FSH should be stored at - 80 °C (stable for at least 1 year). The buffer contains PBS without preservative. After thawing it should be stored in appropriate small aliquots at - 20 °C or - 80 °C (stable for at least 2 months).



**Figure 1.**  
**NuPage analysis of purified FSH-StrepN.**  
lane 1: marker  
lane 2: FSH-StrepN

## PRODUCT USE LIMITATIONS, WARRANTY, DISCLAIMER

ImmunoPrecise Antibodies Europe BV products contain chemicals which may be harmful if misused. Due care should be exercised with all ImmunoPrecise Antibodies Europe BV products to prevent direct human contact. All products are intended For Research Use Only and ARE NOT ALLOWED FOR USE IN HUMANS. Each ImmunoPrecise Antibodies Europe BV product is shipped with documentation stating specifications and other technical information. ImmunoPrecise Antibodies Europe BV products are warranted to meet or exceed the stated specifications. ImmunoPrecise Antibodies Europe BV's sole obligation and the customer's sole remedy is limited to replacement of products free of charge in the event products fail to perform as warranted. ImmunoPrecise Antibodies Europe BV makes no other warranty of any kind whatsoever, and SPECIFICALLY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES OF ANY KIND OR NATURE WHATSOEVER, DIRECTLY OR INDIRECTLY, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, AS TO THE SUITABILITY, PRODUCTIVITY, DURABILITY, FITNESS FOR A PARTICULAR PURPOSE OR USE, MERCHANTABILITY, CONDITION, OR ANY OTHER MATTER WITH RESPECT TO ImmunoPrecise Antibodies Europe BV PRODUCTS. In no event shall ImmunoPrecise Antibodies Europe BV be liable for claims for any other damages, whether direct, incidental, foreseeable, consequential, or special (including but not limited to loss of use, revenue or profit), whether based upon warranty, contract, tort (including negligence) or strict liability arising in connection with the sale or the failure of ImmunoPrecise Antibodies Europe BV products to perform in accordance with the stated specifications..