

## MC3-R (1-88): sc-4280 WB

### BACKGROUND

The melanocortin family comprises the alpha, beta and gamma-melanocyte stimulating hormones (MSH) and adreno-corticotrophin. The receptors for these hormones are seven-transmembrane G protein-coupled proteins that activate adenylyl cyclase. Five melanocortin receptors have been cloned and shown to exhibit different affinities and patterns of expression. MC1-R (MSH-R) is expressed in melanocytes and corticoadrenal tissue. MC2-R is the ACTH receptor and is expressed primarily in the adrenal cortex. MC3-R has been found in specific regions of the brain and is also expressed in placenta and gut. MC4-R is expressed primarily in brain, while MC5-R is expressed at low levels in most tissues examined.

### REFERENCES

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### SOURCE

MC3-R (1-88) is expressed in *E. coli* as 37 kDa tagged fusion protein corresponding to amino acids 1-88 mapping at the amino terminus of MC3-R of human origin.

### PRODUCT

MC3-R (1-88) is purified from bacterial lysates (>98%) by glutathione agarose affinity chromatography; supplied as 10  $\mu$ g in 0.1 ml SDS-PAGE loading buffer.

### APPLICATIONS

MC3-R (1-88) is suitable as a Western blotting control for sc-8990.

### STORAGE

Store at -20° C; stable for one year from the date of shipment.

### RESEARCH USE

For research use only, not for use in diagnostic procedures.