

Product datasheet

Recombinant human Wnt1 protein (Active) ab84080

10 References

Description

Product name	Recombinant human Wnt1 protein (Active)
Biological activity	<p>The ED₅₀ was determined by its ability to enhance BMP-2 induced alkaline phosphatase production by murine ATDC5 cells.</p> <p>The expected ED₅₀ for this effect is 1.5 - 2.5 ng/ml in the presence of 200 ng/ml of human BMP-2.</p>
Purity	<p>> 98 % SDS-PAGE.</p> <p>>98% HPLC.</p>
Endotoxin level	< 1.000 Eu/μg
Expression system	Escherichia coli
Accession	<u>P04628</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<p>ANSSGRWWGI VNVASSTNLL TDSKSLQLVL</p> <p>EPSLQLLSRK QRRLIRQNPG ILHSVSGGLQ</p> <p>SAVRECKWQF RNRRWNCPTA PGPHLFGKIV</p> <p>NRGCRETAFI FAITSAGVTH SVARSCSEGS IESCTCDYRR</p> <p>RGPGGPDWHW GGCSDNIDFG RLFGREFVDS</p> <p>GEKGRDLRFL MNLHNNEAGR TTVFSEMRQE</p> <p>CKCHGMSGSC TVRTCWMRLP TLRAVGDVLR</p> <p>DRFDGASRVL YGNRGSNRAS RAELLRLEPE</p> <p>DPAHKPPSPH DLVYFEKSPN FCTYSGRLGT</p> <p>AGTAGRACNS SSPALDGCEL LCCGRGHRTR</p> <p>TQRVTERCNC TFHWCCHVSC RNCTHTRVLH ECL</p>
Predicted molecular weight	38 kDa
Amino acids	28 to 370
Additional sequence information	Full length mature protein, without the signal peptide.

Specifications

Our **Abpromise guarantee** covers the use of **ab84080** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies
	SDS-PAGE
	HPLC
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
	This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	We recommend initial reconstitution in water alone for full solubility. ab84080 reconstituted is stable for at least 6 months when stored in working aliquots with a carrier protein such as 0.1% BSA at -20°C. Avoid repeated freeze/thaw cycles.

General Info

Function	Ligand for members of the frizzled family of seven transmembrane receptors. In some developmental processes, is also a ligand for the coreceptor RYK, thus triggering Wnt signaling. Probable developmental protein. May be a signaling molecule important in CNS development. Is likely to signal over only few cell diameters.
Sequence similarities	Belongs to the Wnt family.
Cellular localization	Secreted > extracellular space > extracellular matrix.

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