10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Human Ghrelin recombinant protein

Human Ghrelin (Ser3 modified), Ghrelin, h-Ghrelin, rh-Ghrelin, recombinant human Ghrelin, Ghrelin (S

Catalog # PBV10524r

Specification

Human Ghrelin recombinant protein - Product info

Primary Accession	Q9UBU3
Calculated MW	**3.374 kDa KDa**

Human Ghrelin recombinant protein - Additional Info

Gene ID	**51738**
Gene Symbol	**GHRL**

Other Names
Appetite-regulating hormone, Growth hormone secretagogue, Growth hormone-releasing peptide, Motilin-related peptide, Protein M46Human Ghrelin (Ser3 modified), Ghrelin, h-Ghrelin, rh-Ghrelin, recombinant human Ghrelin, Ghrelin (Ser3 modified), recombinant Ghrelin, Ghrelin

Gene Source	**Human**
Assay&Purity	**SDS-PAGE;**
Assay2&Purity2	**HPLC;**
Recombinant	**No**
Sequence	**GS(X)FLSPEHQRVQQRKESKKPPAKLQPR X = serine modified with n-octanoic acid**

Application Notes
Reconstitute in PBS containing at least 0.1% BSA to a concentration of 1.0 mg/ml.

Format
Lyophilized peptide

Storage
-20°C; Lyophilized peptide

Human Ghrelin recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Human Ghrelin recombinant protein - Images

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Human Ghrelin recombinant protein - Background

Ghrelin (‘ghre’ is the Proto-Indo-European root of the word ‘grow’) has been identified as the endogenous ligand for the GHS-R (growth hormone secretagogues receptor). Ghrelin is expressed in the stomach, small and large intestines, and brain regions that are involved in the regulation of food intake. Both ghrelin and GHS-R expression is also detected in the heart, suggesting that Ghrelin might have some cardiovascular effects. Ghrelin administration stimulates GH secretion but also causes weight gain by increase food intake. Mature human and rat Ghrelin (28 a.a.) are produced from a 117 amino acid precursor. Ghrelin has an unusual modification at Ser3 residue that is n-octanoylated and is essential for biological activity. Ghrelin is the first known example of a bioactive peptide modified by an acyl acid

Human Ghrelin recombinant protein - References

Kojima M.,et al.Nature 402:656-660(1999).
Tomasetto C.,et al.Gastroenterology 119:395-405(2000).
Wajnrajch M.P.,et al.J. Endocr. Genet. 1:231-233(2000).
Hosoda H.,et al.J. Biol. Chem. 278:64-70(2003).
Seim I.,et al.BMC Genomics 8:298-298(2007).