Fibroblast Growth Factor (FGF) Inhibitory Peptide [Ala-Pro-Ser-Gly-His-Tyr-Lys-Gly] Peptide – Synthetic Peptide, ~95%. Purified by HPLC. Purity

PRODUCT OVERVIEW

Product Name	Fibroblast Growth Factor (FGF12), Peptide
Full Product Name	Fibroblast Growth Factor (FGF) Inhibitory Peptide [Ala-Pro-Ser-Gly-His-Tyr-Lys-Gly]
Product Gene Name	FGF12 peptide
Host	Synthetic peptide
Form/Format	Supplied as a lyophilized powder.
Purity/Purification	Highly Purified ~95%. Purified by HPLC.
Preparation and Storage	Lyophilized powder may be stored at 4 degree C for short-term only. Stable for 12 months at -20 degree C. Reconstitute to nominal volume (see reconstitution instructions for peptides) and store at -20 degree C. For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made in assay buffer.
Molecular Weight	27,399 Da
Chromosome Location	Chromosome: 3; NC_000003.11 (191857033..192445388, complement). Location: 3q28
OMIM	601513
Sequence (linear)	Ala-Pro-Ser-Gly-His-Tyr-Lys-Gly
Product Categories/Family for FGF12 peptide	Molecular Biology; MB-Peptides
Related Product Information for FGF12 peptide	MBS659038 is a peptide targeting FGF12. Also known as Fibroblast Growth Factor (FGF) Inhibitory Peptide [Ala-Pro-Ser-Gly-His-Tyr-Lys-Gly]. Host: Synthetic peptide.
Other Notes	Small volumes of FGF12 peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FGF12. It may not necessarily be applicable to this product.

NCBI GI #	5442453
NCBI GeneID	2257
NCBI Accession #	AAB18786.3
UniProt Primary Accession #	P61328
UniProt Secondary Accession #	O35339; P70376; Q8TBG5; Q92912; Q93001; B2R6B7; B2R976
UniProt Related Accession #	P61328
NCBI Official Full Name	fibroblast growth factor
NCBI Official Synonym Full Names	fibroblast growth factor 12
NCBI Official Symbol	FGF12

NCBI Official Synonym Symbols	FHF1; FGF12B
UniProt Protein Name	Fibroblast growth factor 12
UniProt Synonym Protein Names	Fibroblast growth factor homologous factor 1; FHF-1; Myocyte-activating factor
Protein Family	Fibroblast growth factor
UniProt Gene Name	FGF12
UniProt Synonym Gene Names	FGF12B; FHF1; FGF-12; FHF-1
UniProt Entry Name	FGF12_HUMAN
NCBI Protein Information	fibroblast growth factor 12; FHF-1; FGF-12; myocyte-activating factor; fibroblast growth factor 12B; fibroblast growth factor FGF-12b; fibroblast growth factor homologous factor 1
NCBI Summary for FGF12	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth, and invasion. This growth factor lacks the N-terminal signal sequence present in most of the FGF family members, but it contains clusters of basic residues that have been demonstrated to act as a nuclear localization signal. When transfected into mammalian cells, this protein accumulated in the nucleus, but was not secreted. The specific function of this gene has not yet been determined. Two alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]
UniProt Comments for FGF12	Function: Probably involved in nervous system development and function. Subunit structure: Interacts with the C-terminal region of SCN9A By similarity. Subcellular location: Nucleus Probable. Tissue specificity: Brain, eye and testis; highly expressed in embryonic retina, olfactory epithelium, olfactory bulb, and in a segmental pattern of the body wall; in adult olfactory bulb, less in cerebellum, deep cerebellar nuclei, cortex and multiple midbrain structures. Sequence similarities: Belongs to the heparin-binding growth factors family.
Research Articles on FGF12	**1.** VAX1 rs10787760, rs6585429 and rs1871345 polymorphisms may be involved in nonsyndromic cleft lip with or without cleft palate in Brazilian patients, but there is no association with polymorphisms in FGF12, VCL, or CX43
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