OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for PH319002

FGF14 (NM_004115) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FGF14 MS Standard C13 and N15-labeled recombinant protein (NP_004106)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219002
Predicted MW:	27.5 kDa
Protein Sequence:	>RC219002 representing NM_004115 Red=Cloning site Green=Tags(s) MAAAIASGLIRQKRQAREQHWDRPSASRRRSSPSKNRGLCNGNLVDIFSKVRIFGLKKRRLRRQDPQLKG IVTRLYCRQGYYLQMHPDGALDGTKDDSTNSTLFNLIPVGLRVVAIQGVKTGLYIAMNGEGYLYPSELFT PECKFKESVFENYYVIYSSMLYRQQESGRAWFLGLNKEGQAMKGNRVKKTKPAAHFLPKPLEVAMYREPS LHDVGETVPKPGVTPSKSTSASAIMNGGKPVNKSKTT TRTRPLEQKLISEEDLAANDILDYKDDDDKV	
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_004106
RefSeq Size:	890
RefSeq ORF:	741
Synonyms:	FGF-14; FHF-4; FHF4; SCA27
Locus ID:	2259
UniProt ID:	Q92915

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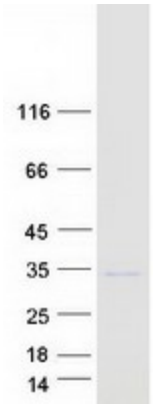
Cytogenetics: 13q33.1

Summary: 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. A mutation in this gene is associated with autosomal dominant cerebral ataxia. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2008]

Protein Families: Secreted Protein

Protein Pathways: MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton

Product images:



Coomassie blue staining of purified FGF14 protein (Cat# [TP319002]). The protein was produced from HEK293T cells transfected with FGF14 cDNA clone (Cat# [RC219002]) using MegaTran 2.0 (Cat# [TT210002]).