

Product datasheet for PH303750

FGF19 (NM_005117) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FGF19 MS Standard C13 and N15-labeled recombinant protein (NP_005108)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203750
Predicted MW:	24 kDa
Protein Sequence:	>RC203750 protein sequence Red=Cloning site Green=Tags(s) MMSGCVVHVWILAGLWLA VAGRPLAFSDAGPHVHYGWGDP IRLRHL YTS GPHGLSSCFLRIRADGVVDC ARGQSAHSLLEIKAV ALRTVAIKGVHSVRYLCMGADGKMQLLQYSEEDCAFE EEEIRPDGYNVYRSEKHR LPVSLSSAKQRQLYKNRGFLPLSHFLPMLPMVPEEPEDLRGHLESDMFSSPLETDSMDPFGLV TGLEAVR SPSFEK TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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_005108
RefSeq Size:	2157
RefSeq ORF:	648
Locus ID:	9965
UniProt ID:	O95750
Cytogenetics:	11q13.3



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Summary:

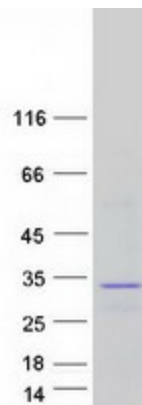
The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes including embryonic development cell growth, morphogenesis, tissue repair, tumor growth and invasion. This growth factor is a high affinity, heparin dependent ligand for FGFR4. Expression of this gene was detected only in fetal but not adult brain tissue. Synergistic interaction of the chick homolog and Wnt-8c has been shown to be required for initiation of inner ear development. [provided by RefSeq, Jul 2008]

Protein Families:

Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Secreted Protein, Transmembrane

Protein Pathways:

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

Product images:

Coomassie blue staining of purified FGF19 protein (Cat# [TP303750]). The protein was produced from HEK293T cells transfected with FGF19 cDNA clone (Cat# [RC203750]) using MegaTran 2.0 (Cat# [TT210002]).