

Recombinant Human FAM20C, GST-tagged

Cat. No. FAM20C-203H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FAM20C(1 a.a. - 570 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
Description	This gene encodes a member of the family of secreted protein kinases. The encoded protein binds calcium and phosphorylates proteins involved in bone mineralization. Mutations in this gene are associated with the autosomal recessive disorder Raine syndrome.
Molecular Mass	89.1 kDa
AA Sequence	MVFLVACALHIALDLLPRLERRGARPSGEPGCSCAQPAAEVAAPGWAQVRGRPGE PPAASSAAGDAGWPNKHTLR ILQDFSSDPSSNLSSHLEKLPPAAEPAERALRGRD PGALRPHDPAHRPLLRLDPGPRRSESPPGPGGDASLLARL FEHPLYRVAVPPLTEED VLFNVNSDTRLSPKAAENPDWPHAGAEGAEFLSPGEAAVDSYPNWLKFHIGINRYE LY SRHNPAIEALLHDLSSQRITSVAMKSGGTQLKLIMTFQNYGQALFKPMKQTREQE TPPDFFYFSDYERHNAEIAA FHLDRIIDFRRVPPVAGRMVNM TKEIRDVTRDKKLW RTFFISPANNICFYGECSYYCSTEHALCGKPDQIEGSLA AFLPDLSLAKRKTRNPNW RRSYHKRKAWEVDPDYCEEVKQTPPYDSSHRILDVMDMTIFDFLMGNMDRHHY ET FEKFGNETFIIHLDNNGRFGKYSHDELSILVPLQQCCRIRKSTYLRLQLLAKEEYK LSLLMAESLRGDQVAPVLY QPHLEALDRRLRVVLKAVRDCVERNGLHSVVDDDLDT

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	EHRAASAR
Applications	ELISA; WB-Re; AP; Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	FAM20C family with sequence similarity 20, member C [Homo sapiens (human)]
Official Symbol	FAM20C
Synonyms	FAM20C; family with sequence similarity 20, member C; dentin matrix protein 4; DKFZp547D065; DMP4; IMAGE:4942737; RNS; DMP-4; GEF-CK; extracellular serine/threonine protein kinase FAM20C; dentin matrix protein 4; golgi-enriched fraction casein kinase; NP_064608.2; EC 2.7.11.1
Gene ID	56975
mRNA Refseq	NM_020223
Protein Refseq	NP_064608
MIM	611061
UniProt ID	Q8IXL6

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Chromosome Location	7p22.3
Function	calcium ion binding; protein serine/threonine kinase activity