

Recombinant Full Length Human FAM111A Protein, GST-tagged

Cat. No. FAM111A-4468HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FAM111A full-length ORF (NP_071357.2, 1 a.a. - 611 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	611 amino acids
Description	The protein encoded by this gene is cell-cycle regulated, and has nuclear localization. The C-terminal half of the protein shares homology with trypsin-like peptidases and it contains a PCNA-interacting peptide (PIP) box, that is necessary for its co-localization with proliferating cell nuclear antigen (PCNA). Reduced expression of this gene resulted in DNA replication defects, consistent with the demonstrated role for this gene in Simian Virus 40 (SV40) viral replication. Mutations in this gene have been associated with Kenny-Caffey syndrome (KCS) type 2 and the more severe osteocraniostenosis (OCS, also known as Gracile Bone Dysplasia), both characterized by short stature, hypoparathyroidism, bone development abnormalities, and hypocalcemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015]
Molecular Mass	96.6 kDa
AA Sequence	MSCKKQSRKHSVNEKCNMKIEHYFSPVSKEQQNNCSTSLMRMESRGDPRTTNT

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QAQRFHSPKKNPEDQTMPQNRTIYVTLKVNHRRNQDMKLKLTHSENSSLYMALNTL
 QAVRKEIETHQGGQEMLVRGTEGIKEYINLGMPPLSCFPEGGQVVITFSQSKSKQKEDN
 HIFGRQDKASTEVCVIFYIHAIGIGKCKRRIVKCGKLHKKGRKLCVYAFKGETIKDALCK
 DGRFLSFLENDWKLINNDTILESTQPVDELEGRYFQVEVEKRMVPSAAASQNPE
 SEKRNTCVLREQIVAQYPSLKRESEKIIENFKKKMKVKNGETLFELHRTTFGKVTKNS
 SSIKVVKLLVRLSDSVGYLFWDSATTGYATCFVFKGLFILTCHVIDSIVGDGIEPSKW
 ATIIGQCVRVTFGYEELKDKETNYFFVEPWFEIHNEELDYAVLKLKENGQQVPMELY
 NGITPVPLSGLIHIGHPYGEKKQIDACAVIPQGQRAKKCQERVQSKKAESPEYVHMY
 TQRSFQKIVHNPDVITYDTEFFFGASGSPVFDKSGSLVAMHAAGFAYTYQNETRSIE
 FGSTMESILLDIKQRHKPWYEEVFVNQQDVEMMSDEDL

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. 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

FAM111A family with sequence similarity 111, member A [Homo sapiens]

Official Symbol

FAM111A

Synonyms

FAM111A; family with sequence similarity 111, member A; protein FAM111A;
 FLJ22794; KIAA1895; DKFZp686A06175;

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Gene ID	63901
mRNA Refseq	NM_001142519
Protein Refseq	NP_001135991
MIM	615292
UniProt ID	Q96PZ2

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