

Recombinant Human CACNA1F Protein, GST-Tagged

Cat. No. CACNA1F-0266H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CACNA1F partial ORF (NP_005174, 1878 a.a. - 1977 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a multipass transmembrane protein that functions as an alpha-1 subunit of the voltage-dependent calcium channel, which mediates the influx of calcium ions into the cell. The encoded protein forms a complex of alpha-1, alpha-2/delta, beta, and gamma subunits in a 1:1:1:1 ratio. Mutations in this gene can cause X-linked eye disorders, including congenital stationary night blindness type 2A, cone-rod dystrophy, and Aland Island eye disease. Alternatively spliced transcript variants encoding multiple isoforms have been observed. [provided by RefSeq, Aug 2013]
Molecular Mass	36.74 kDa
AA Sequence	LHVPGTHSDPSHGKRGSA DSLVEAVLISEGLGLFARDPRFVALAKQEIADACRLTLD EMDNAASDLLAQGTSSLYSDEESILSRFDEEDLGDEMACVHAL
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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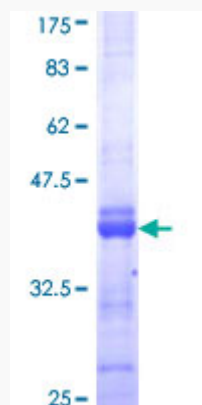
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	CACNA1F calcium channel, voltage-dependent, L type, alpha 1F subunit [Homo sapiens]
Official Symbol	CACNA1F
Synonyms	CACNA1F; calcium channel, voltage-dependent, L type, alpha 1F subunit; AIED, Aland island eye disease (Forsius Eriksson ocular albinism, ocular albinism type 2), CSNB2; voltage-dependent L-type calcium channel subunit alpha-1F; Cav1.4; COD4; CORDX3; CSNB2A; CSNBX2; JM8; JMC8; OA2; Cav1.4alpha1; voltage gated calcium channel alpha 1F subunit; voltage-gated calcium channel subunit alpha Cav1.4; Aland island eye disease (Forsius-Eriksson ocular albinism, ocular albinism type 2); AIED; COD3; CORDX; CSNB2;
Gene ID	778
mRNA Refseq	NM_001256789
Protein Refseq	NP_001243718
MIM	300110
UniProt ID	O60840

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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