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Product datasheet for SC325423

FLASH (CASP8AP2) (NM_001137667) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	FLASH
Synonyms:	CED-4; FLASH; RIP25
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC325423 representing NM_001137667.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCAGCAGATGATGACAATGGTGATGGAACAAGTTTATTTGATGTCTTTTCTGCTTCTCCTCTTAAG
AACAATGATGAAGGCTCACTGGACATATACGCTGGGTTGGACAGTGCTGTTTCTGACAGCGCTTCCAAA
TCCTGTGTACCATCAAGAAATTGTTTGGACTTATATGAAGAGATCCTGACTGAAGAAGGAACTGCAAAG
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ACCACTACTGATTTAAAGAAACAGAATGAACCAAAGACTGATAAGGGAGAAGTCCTTGATAATGGTGTT

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TCTGAAGGAGCAGATAATAAAGAGCTTGCAATGAAAGCTGAGAGTGGTCCAAATGAAACAAAAAACAAG
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GATGACCGGGAAATTTTATTGGAGTGTCAGAAAAGAGGGCCATCATTTAAAACATTTGCATATTTAGCC
GCCAAGTTGGATAAAAATCCAAATCAGGTCTCAGAAAGATTCCAGCAGCTAATGAAGCTCTTTGAAAAG
TCAAAATGCAGATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_001137667

Insert Size: 5949 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001137667.1

RefSeq Size: 6782 bp

RefSeq ORF: 5949 bp

Locus ID: 9994

UniProt ID: Q9UKL3

Cytogenetics: 6q15

Protein Families: Druggable Genome

MW: 222.7 kDa

Gene Summary: This protein is highly similar to FLASH, a mouse apoptotic protein identified by its interaction with the death-effector domain (DED) of caspase 8. Studies of FLASH protein suggested that this protein may be a component of the death-inducing signaling complex that includes Fas receptor, Fas-binding adapter FADD, and caspase 8, and plays a regulatory role in Fas-mediated apoptosis. Alternative splicing results in multiple transcript variants encoding the same protein.[provided by RefSeq, Nov 2008]
Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1.