

Product datasheet for PH318436

Bestrophin 3 (BEST3) (NM_152439) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	BEST3 MS Standard C13 and N15-labeled recombinant protein (NP_689652)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218436
Predicted MW:	50.8 kDa
Protein Sequence:	>RC218436 representing NM_152439 Red=Cloning site Green=Tags(s)

MTTDERKLFNHLKSPHLKYWVPFIWFGNLATKARNEGRIRDSVDLQSLMTEMNRYRWSVCSLLFGYDWVGI
PLVYTQVAEQLINPFGEDDDDFETNWCIDRNQVSLLAVIDEMHMSLPKMKKDIYWDDSAARPPYTLAAAD
YCIPFSLGSTVQMGSLSGSDFPDEEWLWDYEKHHGRHSMIRRVKRFSAHEHPSSPRRRSYRRQTSDSSMF
LPRDDLSPARDLLDVPSRNPASPTWKKSCFPEGSPTLHFSGELSTIRETSQTSTLQSLTPQSSVRTS
PIKMLVPEVLITAAEAPVPTSGGYHDSATSILSSEFTGVQPSKTEQQQGPMGSILSPSEKETPPGGPS
PQTVSASAEENIFNCEEDPGDTFLKRWSLPGFLGSSHTSLGNLSPDPMSSQPALLIDTETSSEISGINIV
AGSRVSSDMLYLMENLDTKETDIEELNKETEESPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	<u>NP_689652</u>
RefSeq Size:	2898
RefSeq ORF:	1365
Synonyms:	VMD2L3



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Locus ID: 144453

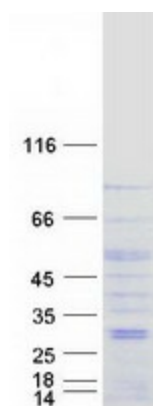
UniProt ID: [Q8N1M1](#)

Cytogenetics: 12q15

Summary: BEST3 belongs to the bestrophin family of anion channels, which includes BEST1 (MIM 607854), the gene mutant in vitelliform macular dystrophy (VMD; MIM 153700), and 2 other BEST1-like genes, BEST2 (MIM 607335) and BEST4 (MIM 607336). Bestrophins are transmembrane (TM) proteins that share a homology region containing a high content of aromatic residues, including an invariant arg-phe-pro (RFP) motif. The bestrophin genes share a conserved gene structure, with almost identical sizes of the 8 RFP-TM domain-encoding exons and highly conserved exon-intron boundaries. Each of the 4 bestrophin genes has a unique 3-prime end of variable length (Stohr et al., 2002 [PubMed 12032738]; Tsunenari et al., 2003 [PubMed 12907679]).[supplied by OMIM, Mar 2008]

Protein Families: Ion Channels: Other, Transmembrane

Product images:



Coomassie blue staining of purified BEST3 protein (Cat# [TP318436]). The protein was produced from HEK293T cells transfected with BEST3 cDNA clone (Cat# [RC218436]) using MegaTran 2.0 (Cat# [TT210002]).