

Recombinant Human BRCA2 Protein (His Tag)

Catalog No. PKSH500011

Note: Centrifuge before opening to ensure complete recovery of vial contents.

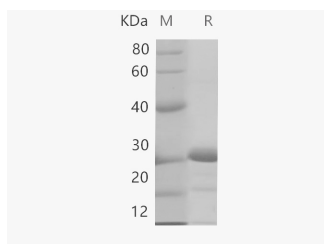
Description

Synonyms	BRCA 2, BRCA1/BRCA2 containing complex subunit 2, Brca2, BRCA2, DNA repair associated, BRCA2, BRCC 2, BRCC2, Breast and ovarian cancer susceptibility gene early onset, breast and ovarian cancer susceptibility protein 2, Breast cancer 2 early onset, Breast Cancer 2 tumor suppressor, Breast cancer susceptibility protein BRCA2, Breast cancer type 2 susceptibility protein, BROVCA2, FACD, FAD 1, FAD, FAD1, FANCB, FANCD 1, FANCD, FANCD1, FANCD1 gene, Fanconi anemia complementation group D1, Fanconi anemia group D1 protein, GLM3, mutant BRCA2, OTTHUMP00000018803, OTTHUMP00000042401, PNCA2, XRCC11
Species	Human
Expression Host	E.coli
Sequence	Thr2350-Val2545
Accession	P51587-1
Calculated Molecular Weight	22.1 kDa
Observed molecular weight	25.4 kDa
Tag	N-His
Bioactivity	Immunogen(E-AB-40288)

Properties

Purity	> 85 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyoophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



For Research Use Only

> 85 % as determined by reducing SDS-PAGE.

Background

Inherited mutations in BRCA1 and this gene, BRCA2, confer increased lifetime risk of developing breast or ovarian cancer. Both BRCA1 and BRCA2 are involved in maintenance of genome stability, specifically the homologous recombination pathway for double-strand DNA repair. The BRCA2 protein contains several copies of a 70 aa motif called the BRC motif, and these motifs mediate binding to the RAD51 recombinase which functions in DNA repair. BRCA2 is considered a tumor suppressor gene, as tumors with BRCA2 mutations generally exhibit loss of heterozygosity (LOH) of the wild-type allele.