

This is a copy of a chat between Claude and Lars S. Content may include unverified or unsafe content

(i) that do not represent the views of Anthropic. Shared snapshot may contain attachments and data not displayed here.

Report

Ls What categories and functional annotations are associated with the gene BRAF in DGIdb?

L get_gene_info

BRAF Gene Information from DGIdb

Full Name: B-Raf proto-oncogene, serine/threonine kinase

Concept ID: hgnc:1097

Gene Categories and Sources

Category	Supporting Sources
Clinically Actionable	CIViC, Caris Molecular Intelligence, FoundationOne Genes, MSK-IMPACT, Oncomine, Tempus
Drug Resistance	CIViC, COSMIC
Druggable Genome	Hingorani-Casas, Hopkins-Groom, Russ-Lampel
Enzyme	Guide to Pharmacology
Kinase	Hopkins-Groom, Pharos, dGene
Serine Threonine Kinase	GO, dGene

Summary

BRAF is extensively annotated in DGIdb with six functional categories:

- 1. Clinically Actionable** — Supported by six major clinical genomics platforms, indicating its importance in precision oncology
- 2. Drug Resistance** — Associated with resistance mechanisms in cancer therapy
- 3. Druggable Genome** — Classified as a druggable target across multiple druggability studies

4. Enzyme/Kinase — Functionally characterized as a serine/threonine kinase in the MAPK signaling pathway

This gene is one of the most well-characterized drug targets in oncology, particularly relevant for melanoma, colorectal cancer, and thyroid cancer treatment.

[Start your own conversation](#)

